

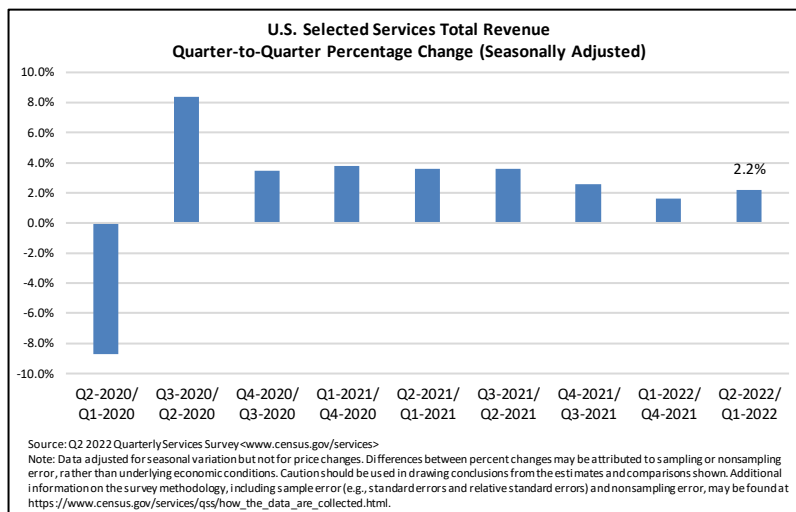
FOR RELEASE AT 10:00 AM EDT, FRIDAY, AUGUST 19, 2022

## QUARTERLY SELECTED SERVICES ESTIMATES, SECOND QUARTER 2022 – ADVANCE REPORT

Release Number: CB22-139

**August 19, 2022** — The U.S. Census Bureau announced the following selected services estimates for the second calendar quarter of 2022:

 <b>SELECTED SERVICES TOTAL REVENUE – ADVANCE REPORT</b>		
<b>2Q 2022</b>	<b>\$4,950.1 billion</b>	<b>+2.2 %</b>
<b>1Q 2022 (revised)</b>	<b>\$4,845.8 billion</b>	<b>+1.6 %</b>
<b>Next release: September 8, 2022</b>		
Data are adjusted for seasonal variation but not for price changes Source: U.S. Census Bureau, Quarterly Services Survey, August 19, 2022		



### Selected Services Total

Advance U.S. selected services total revenue for the second quarter of 2022, adjusted for seasonal variation but not for price changes, was \$4,950.1 billion, an increase of 2.2 percent ( $\pm 0.6$  percent) from the first quarter of 2022 and up 10.2 percent ( $\pm 0.4$  percent) from the second quarter of 2021. The fourth quarter of 2021 to first quarter of 2022 percentage change was revised from the preliminary estimate of 1.4 percent ( $\pm 0.2$  percent) to 1.6 percent ( $\pm 0.2$  percent).

### Utilities

Advance U.S. utilities total revenue for the second quarter of 2022, not adjusted for seasonal variation or price changes, was \$170.4 billion, a decrease of 4.9 percent ( $\pm 2.1$  percent) from the first quarter of 2022 and up 19.1 percent ( $\pm 1.1$  percent) from the second quarter of 2021. The fourth quarter of 2021 to first quarter of 2022 percentage change was revised from the preliminary estimate of 10.7 percent ( $\pm 2.5$  percent) to 10.8 percent ( $\pm 2.5$  percent).

### Transportation and warehousing

Advance U.S. transportation and warehousing revenue for the second quarter of 2022, not adjusted for seasonal variation or price changes, was \$375.4 billion, an increase of 13.3 percent ( $\pm 1.1$  percent) from

#### Data Inquiries

Economic Indicators Division, Service Indicator Branch  
301-763-2960  
[sssd.qss@census.gov](mailto:sssd.qss@census.gov)

#### Media Inquiries

Public Information Office  
301-763-3030  
[pio@census.gov](mailto:pio@census.gov)



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the first quarter of 2022 and up 31.5 percent ( $\pm 1.5$  percent) from the second quarter of 2021.

The fourth quarter of 2021 to first quarter of 2022 percentage change was revised from the preliminary estimate of -0.7 percent ( $\pm 0.6$  percent) to -0.7 percent ( $\pm 0.8$  percent)\*.

### **Information**

Advance U.S. information sector revenue for the second quarter of 2022, not adjusted for seasonal variation or price changes, was \$552.9 billion, an increase of 3.1 percent ( $\pm 0.6$  percent) from the first quarter of 2022 and up 9.6 percent ( $\pm 1.5$  percent) from the second quarter of 2021. The fourth quarter of 2021 to first quarter of 2022 percentage change was revised from the preliminary estimate of -3.1 percent ( $\pm 0.8$  percent) to -3.3 percent ( $\pm 0.8$  percent).

### **Finance and insurance**

Advance U.S. finance and insurance revenue for the second quarter of 2022, not adjusted for seasonal variation or price changes, was \$1,431.3 billion, an increase of 2.6 percent ( $\pm 0.8$  percent) from the first quarter of 2022 and up 8.7 percent ( $\pm 0.9$  percent) from the second quarter of 2021. The fourth quarter of 2021 to first quarter of 2022 percentage change was not revised from the preliminary estimate of 0.2 percent ( $\pm 0.6$  percent)\*.

### **Real estate and rental and leasing**

Advance U.S. real estate and rental and leasing revenue for the second quarter of 2022, not adjusted for seasonal variation or price changes, was \$245.2 billion, an increase of 12.0 percent ( $\pm 0.9$  percent) from the first quarter of 2022 and up 12.2 percent ( $\pm 1.9$  percent) from the second quarter of 2021. The fourth quarter of 2021 to first quarter of 2022 percentage change was revised from the preliminary estimate of -8.4 percent ( $\pm 1.3$  percent) to -7.6 percent ( $\pm 1.1$  percent).

### **Professional, scientific, and technical services**

Advance U.S. professional, scientific, and technical services revenue for the second quarter of 2022, not adjusted for seasonal variation or price changes, was \$666.6 billion, an increase of 4.7 percent ( $\pm 1.3$  percent) from the first quarter of 2022 and up 11.4 percent ( $\pm 1.7$  percent) from the second quarter of 2021. The fourth quarter of 2021 to first quarter of 2022 percentage change was revised from the preliminary estimate of -1.0 percent ( $\pm 0.8$  percent) to -1.1 percent ( $\pm 0.9$  percent).

### **Administrative and support and waste management and remediation services**

Advance U.S. administrative and support and waste management and remediation services revenue for the second quarter of 2022, not adjusted for seasonal variation or price changes, was \$360.1 billion, an

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[sssd.qss@census.gov](mailto:sssd.qss@census.gov)

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increase of 6.5 percent ( $\pm 1.9$  percent) from the first quarter of 2022 and up 18.8 percent ( $\pm 3.0$  percent) from the second quarter of 2021. The fourth quarter of 2021 to first quarter of 2022 percentage change was revised from the preliminary estimate of -1.0 percent ( $\pm 0.8$  percent) to -0.8 percent ( $\pm 0.9$  percent)\*.

### **Educational services**

Advance U.S. educational services revenue for the second quarter of 2022, not adjusted for seasonal variation or price changes, was \$24.9 billion, an increase of 9.6 percent ( $\pm 4.0$  percent) from the first quarter of 2022 and up 18.4 percent ( $\pm 2.8$  percent) from the second quarter of 2021. The fourth quarter of 2021 to first quarter of 2022 percentage change was revised from the preliminary estimate of virtually unchanged ( $\pm 2.8$  percent)\* to 0.7 percent ( $\pm 3.2$  percent)\*.

### **Health care and social assistance**

Advance U.S. health care and social assistance revenue for the second quarter of 2022, not adjusted for seasonal variation or price changes, was \$785.9 billion, an increase of 1.6 percent ( $\pm 0.4$  percent) from the first quarter of 2022 and up 1.1 percent ( $\pm 0.9$  percent) from the second quarter of 2021. The fourth quarter of 2021 to first quarter of 2022 percentage change was revised from the preliminary estimate of -4.0 percent ( $\pm 0.9$  percent) to -3.9 percent ( $\pm 0.9$  percent).

### **Arts, entertainment, and recreation**

Advance U.S. arts, entertainment, and recreation revenue for the second quarter of 2022, not adjusted for seasonal variation or price changes, was \$92.1 billion, an increase of 17.1 percent ( $\pm 3.2$  percent) from the first quarter of 2022 and up 25.4 percent ( $\pm 3.6$  percent) from the second quarter of 2021. The fourth quarter of 2021 to first quarter of 2022 percentage change was revised from the preliminary estimate of -12.9 percent ( $\pm 1.1$  percent) to -13.5 percent ( $\pm 1.1$  percent).

### **Accommodation**

Advance U.S. accommodation revenue for the second quarter of 2022, not adjusted for seasonal variation or price changes, was \$91.2 billion, an increase of 26.6 percent ( $\pm 2.1$  percent) from the first quarter of 2022 and up 37.9 percent ( $\pm 4.7$  percent) from the second quarter of 2021. The fourth quarter of 2021 to first quarter of 2022 percentage change was revised from the preliminary estimate of -5.7 percent ( $\pm 1.7$  percent) to -5.5 percent ( $\pm 1.5$  percent).

### **Other services (except public administration)**

Advance U.S. other services (except public administration) revenue for the second quarter of 2022, not adjusted for seasonal variation or price changes, was \$154.2 billion, a decrease of 5.0 percent ( $\pm 3.6$  percent) from the first quarter of 2022 and down 15.4 percent ( $\pm 3.4$  percent) from the second

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quarter of 2021. The fourth quarter of 2021 to first quarter of 2022 percentage change was not revised from the preliminary estimate of -21.9 percent ( $\pm$  2.5 percent).

## GENERAL INFORMATION

### Notes

The Advance Quarterly Services Report contains current quarter not seasonally adjusted estimates of revenue for a subset of industries found in the Full Quarterly Services Report. In addition, prior quarter not seasonally adjusted estimates for all items and industry levels have been revised and are available here [<www.census.gov/econ/currentdata/>](https://www.census.gov/econ/currentdata/).

The Selected Services Total is the only seasonally adjusted estimate that is updated in the Advance Report. Seasonally adjusted estimates for all other industry levels have not been revised with this release. For more information on the Advance Quarterly Services Report, please visit [<www.census.gov/services/qss/advance\\_services\\_faqs/>](https://www.census.gov/services/qss/advance_services_faqs/).

### Statement Regarding COVID-19 Impact

The Census Bureau continues to monitor response and data quality and has determined that estimates in this release meet publication standards. For more information, see [<COVID-19 FAQs>](#).

### Intention to Expand Seasonal Adjustment

Beginning with the March 2023 release for the fourth quarter of 2022, we anticipate the introduction of new seasonally adjusted estimates of expenses for selected industries within NAICS sectors 62, 71, and 81 into the Full Quarterly Services Report. For more information, please visit our seasonal adjustment FAQs: [<https://www.census.gov/services/qss/seasonally\\_adjusted\\_faqs.html>](https://www.census.gov/services/qss/seasonally_adjusted_faqs.html).

### Upcoming Benchmarking

Effective with the February 2023 advance release for the fourth quarter of 2022, not seasonally adjusted quarterly services estimates will be revised to reflect historical corrections and results of the 2021 Service Annual Survey. In addition, the seasonally adjusted Selected Services Total will be revised to reflect historical corrections, results of the 2021 Service Annual Survey, and new seasonal factors.

### Press Release Layout Update

We anticipate updating the format of the Full Quarterly Services Report for tables covering sectors 51, 54, and 56. These changes will make the tables more consistent with other sectors and will be effective with the September 2022 release for the second quarter of 2022. The proposed shells are available at [<https://www.census.gov/services/qss/51\\_54\\_56\\_shells.xlsx>](https://www.census.gov/services/qss/51_54_56_shells.xlsx).

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[sssd.qss@census.gov](mailto:sssd.qss@census.gov)

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## Release Schedule

The second quarter 2022 Quarterly Services Report is scheduled for release on September 8, 2022. View the full schedule in the Economic Briefing Room: [www.census.gov/economic-indicators/](https://www.census.gov/economic-indicators/).

Additional industry detail and estimates of revenue, expenses, inpatient days, and discharges can be found at [www.census.gov/services/](https://www.census.gov/services/).

## RESOURCES

### API

The Census Bureau's application programming interface lets developers create custom apps to reach new users and makes key demographic, socio-economic and housing statistics more accessible than ever before.

[www.census.gov/developers/](https://www.census.gov/developers/)

### FRED Mobile App



Receive the latest updates on the nation's key economic indicators by downloading the FRED App <https://fred.stlouisfed.org/fred-mobile/> for both Apple and Android devices. FRED, the signature database of the Federal Reserve Bank of St. Louis, now incorporates the Census Bureau's 13 economic indicators.

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\*The 90 percent confidence interval includes zero. There is insufficient evidence to conclude that the actual change is different from zero.

### Data Inquiries

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301-763-2960  
[sssd.qss@census.gov](mailto:sssd.qss@census.gov)

### Media Inquiries

Public Information Office  
301-763-3030  
[pio@census.gov](mailto:pio@census.gov)



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**Table A1. Selected Services - Advance Estimated Quarterly Revenue for Employer Firms, Not Seasonally Adjusted**

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey.

For additional information see [www.census.gov/services](http://www.census.gov/services)]

2012 NAICS code <sup>1</sup>	Kind of business	Total revenue (millions of dollars)				Percent change		
		2Q 2022 (a)	1Q 2022 (r)	2Q 2021	1Q 2021	2Q 2022 from 1Q 2022 (a)	2Q 2021 from 1Q 2021	2Q 2022 from 2Q 2021 (a)
	<b>Selected Services Total<sup>2</sup></b>	<b>4,950,083</b>	<b>4,743,997</b>	<b>4,490,365</b>	<b>4,242,649</b>	<b>4.3</b>	<b>5.8</b>	<b>10.2</b>
<b>22</b>	<b>Utilities<sup>3</sup></b>	<b>170,385</b>	<b>179,071</b>	<b>143,042</b>	<b>164,012</b>	<b>-4.9</b>	<b>-12.8</b>	<b>19.1</b>
<b>48-49</b>	<b>Transportation and warehousing<sup>4</sup></b>	<b>375,372</b>	<b>331,313</b>	<b>285,450</b>	<b>247,130</b>	<b>13.3</b>	<b>15.5</b>	<b>31.5</b>
481	Air transportation.....	76,963	53,242	43,139	27,085	44.6	59.3	78.4
483	Water transportation.....	14,037	10,698	7,121	6,088	31.2	17.0	97.1
484	Truck transportation.....	119,618	106,150	95,744	83,307	12.7	14.9	24.9
485	Transit and ground passenger transportation.....	15,067	14,432	11,764	9,950	4.4	18.2	28.1
488	Support activities for transportation.....	79,367	78,497	66,030	59,351	1.1	11.3	20.2
492	Couriers and messengers.....	37,091	36,642	34,012	32,639	1.2	4.2	9.1
493	Warehousing and storage.....	14,555	13,696	12,136	11,736	6.3	3.4	19.9
<b>51</b>	<b>Information.....</b>	<b>552,863</b>	<b>536,022</b>	<b>504,625</b>	<b>480,485</b>	<b>3.1</b>	<b>5.0</b>	<b>9.6</b>
511	Publishing industries (except Internet).....	141,771	135,786	126,534	119,038	4.4	6.3	12.0
5112	Software publishers.....	119,583	115,453	105,570	99,838	3.6	5.7	13.3
512	Motion picture and sound recording industries.....	35,973	29,160	26,135	24,429	23.4	7.0	37.6
517	Telecommunications.....	169,371	168,674	164,203	162,019	0.4	1.3	3.1
5171	Wired telecommunications carriers.....	78,443	78,022	78,914	78,200	0.5	0.9	-0.6
5172	Wireless telecommunications carriers (except satellite).....	78,299	78,466	73,315	72,318	-0.2	1.4	6.8
518	Data processing, hosting, and related services.....	70,925	67,956	60,554	56,865	4.4	6.5	17.1
519	Other information services.....	88,046	85,394	81,931	73,608	3.1	11.3	7.5
<b>52</b>	<b>Finance and insurance<sup>5</sup></b>	<b>1,431,340</b>	<b>1,394,708</b>	<b>1,316,673</b>	<b>1,301,351</b>	<b>2.6</b>	<b>1.2</b>	<b>8.7</b>
522	Credit intermediation and related activities.....	394,351	374,233	360,319	358,210	5.4	0.6	9.4
524	Insurance carriers and related activities.....	801,913	778,522	730,180	720,037	3.0	1.4	9.8
<b>53</b>	<b>Real estate and rental and leasing.....</b>	<b>245,206</b>	<b>218,982</b>	<b>218,468</b>	<b>183,751</b>	<b>12.0</b>	<b>18.9</b>	<b>12.2</b>
531	Real estate.....	169,981	151,161	152,886	130,686	12.5	17.0	11.2
532	Rental and leasing services.....	57,901	50,703	49,261	40,080	14.2	22.9	17.5
<b>54</b>	<b>Professional, scientific, and technical services<sup>6</sup></b>	<b>666,631</b>	<b>636,611</b>	<b>598,673</b>	<b>562,841</b>	<b>4.7</b>	<b>6.4</b>	<b>11.4</b>
5411	Legal services <sup>6</sup> .....	89,454	83,373	81,333	78,217	7.3	4.0	10.0
5412	Accounting, tax preparation, bookkeeping, and payroll services.....	57,577	60,753	48,477	51,640	-5.2	-6.1	18.8
5413	Architectural, engineering, and related services.....	109,460	103,724	95,807	89,539	5.5	7.0	14.3
5415	Computer systems design and related services.....	147,368	142,682	139,331	130,606	3.3	6.7	5.8
5416	Management, scientific, and technical consulting services.....	101,052	95,100	85,186	77,259	6.3	10.3	18.6
5418	Advertising, public relations, and related services.....	52,042	48,126	44,014	40,335	8.1	9.1	18.2
<b>56</b>	<b>Administrative and support and waste management and remediation services.....</b>	<b>360,132</b>	<b>338,016</b>	<b>303,256</b>	<b>280,279</b>	<b>6.5</b>	<b>8.2</b>	<b>18.8</b>
561	Administrative and support services.....	323,876	305,467	272,408	251,554	6.0	8.3	18.9
562	Waste management and remediation services.....	36,256	32,549	30,848	28,725	11.4	7.4	17.5
<b>61</b>	<b>Educational services<sup>7</sup></b>	<b>24,854</b>	<b>22,674</b>	<b>20,992</b>	<b>18,852</b>	<b>9.6</b>	<b>11.4</b>	<b>18.4</b>
<b>62</b>	<b>Health care and social assistance.....</b>	<b>785,869</b>	<b>773,685</b>	<b>777,469</b>	<b>740,913</b>	<b>1.6</b>	<b>4.9</b>	<b>1.1</b>
	Health care and social assistance - taxable.....	400,745	389,407	376,799	362,086	2.9	4.1	6.4
	Health care and social assistance - tax-exempt.....	385,124	384,278	400,670	378,827	0.2	5.8	-3.9
621	Ambulatory health care services.....	327,553	315,657	310,117	297,121	3.8	4.4	5.6
	Ambulatory health care services - taxable.....	291,683	282,438	276,081	265,286	3.3	4.1	5.7
	Ambulatory health care services - tax-exempt.....	35,870	33,219	34,036	31,835	8.0	6.9	5.4
6211	Offices of physicians - taxable.....	139,663	135,594	134,910	129,496	3.0	4.2	3.5
6214	Outpatient care centers.....	57,466	53,985	53,003	50,531	6.4	4.9	8.4
6215	Medical and diagnostic laboratories - taxable.....	16,136	17,068	16,598	17,319	-5.5	-4.2	-2.8
6219	Other ambulatory health care services.....	12,861	12,977	12,975	11,868	-0.9	9.3	-0.9
622	Hospitals.....	322,204	327,099	339,073	322,971	-1.5	5.0	-5.0
	Hospitals - taxable.....	39,731	39,474	39,192	37,111	0.7	5.6	1.4
	Hospitals - tax-exempt.....	282,473	287,625	299,881	285,860	-1.8	4.9	-5.8
623	Nursing and residential care facilities.....	72,925	70,284	67,445	64,356	3.8	4.8	8.1
	Nursing and residential care facilities - taxable.....	S	S	43,301	42,079	S	2.9	S
	Nursing and residential care facilities - tax-exempt.....	23,966	22,728	24,144	22,277	5.4	8.4	-0.7
624	Social assistance.....	63,187	60,645	60,834	56,465	4.2	7.7	3.9
<b>71</b>	<b>Arts, entertainment, and recreation.....</b>	<b>92,068</b>	<b>78,642</b>	<b>73,398</b>	<b>58,157</b>	<b>17.1</b>	<b>26.2</b>	<b>25.4</b>
711	Performing arts, spectator sports, and related industries.....	42,553	36,712	29,274	23,445	15.9	24.9	45.4
712	Museums, historical sites, and similar institutions.....	5,757	4,372	6,255	4,253	31.7	47.1	-8.0
713	Amusement, gambling, and recreation industries.....	43,758	37,558	37,869	30,459	16.5	24.3	15.6

**Table A1. Selected Services - Advance Estimated Quarterly Revenue for Employer Firms, Not Seasonally Adjusted**

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey.  
For additional information see [www.census.gov/services](http://www.census.gov/services)]

2012 NAICS code <sup>1</sup>	Kind of business	Total revenue (millions of dollars)				Percent change		
		2Q 2022 (a)	1Q 2022 (r)	2Q 2021	1Q 2021	2Q 2022 from 1Q 2022 (a)	2Q 2021 from 1Q 2021	2Q 2022 from 2Q 2021 (a)
<b>721</b>	<b>Accommodation.....</b>	<b>91,187</b>	<b>72,056</b>	<b>66,146</b>	<b>44,542</b>	<b>26.6</b>	<b>48.5</b>	<b>37.9</b>
<b>81</b>	<b>Other services (except public administration)<sup>8</sup> .....</b>	<b>154,176</b>	<b>162,217</b>	<b>182,173</b>	<b>160,336</b>	<b>-5.0</b>	<b>13.6</b>	<b>-15.4</b>
811	Repair and maintenance.....	60,717	55,320	53,616	47,591	9.8	12.7	13.2
812	Personal and laundry services.....	S	S	34,072	30,457	S	11.9	S

(a) Advance estimate. (r) Revised estimate.

S Estimate does not meet standards because of high variability (coefficient of variation greater than 30%), poor response quality (total quantity response rate is less than 50%) or other concerns about the estimate's quality. Unpublished estimates derived from this table by subtraction are subject to these same limitations and should not be attributed to the U.S. Census Bureau. For a description of publication standards and the total quantity response rate, see [www.census.gov/about/policies/quality/standards/standardf1.html](http://www.census.gov/about/policies/quality/standards/standardf1.html).

(1) For a full description of the NAICS (North American Industry Classification System) codes used in this table, see the 2012 NAICS manual or [www.census.gov/naics/](http://www.census.gov/naics/).

(2) Includes NAICS 22 (Utilities), NAICS 48-49 (Transportation and warehousing), NAICS 51 (Information), NAICS 52 (Finance and insurance), NAICS 53 (Real estate and rental and leasing), NAICS 54 (Selected professional, scientific, and technical services), NAICS 56 (Administrative and support and waste management and remediation services), NAICS 61 (Educational services), NAICS 62 (Health care and social assistance), NAICS 71 (Arts, entertainment, and recreation), NAICS 721 (Accommodation), and NAICS 81 (Other services (except public administration)). Exclusions listed in footnotes 3, 4, 5, 6, 7, and 8 also apply to the Selected Services Total.

(3) Excludes government owned utilities.

(4) Excludes NAICS 482 (Rail transportation) and 491 (Postal service).

(5) Excludes NAICS 525 (Funds, trusts, and other financial vehicles).

(6) Excludes NAICS 54112 (Offices of notaries).

(7) Excludes NAICS 6111 (Elementary and secondary schools), 6112 (Junior colleges), and 6113 (Colleges, universities, and professional schools).

(8) Excludes NAICS 8131 (Religious organizations), 81393 (Labor unions and similar labor organizations), 81394 (Political organizations), and 814 (Private households).

Note: Estimates cover taxable and tax-exempt firms unless otherwise specified. Additionally, estimates for some sectors and subsectors may include data for kinds of business not shown. Table A2 provides estimated measures of sampling variability. Data users who create their own estimates using data from this report should cite the U.S. Census Bureau as the source of the original data only. Additional information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions may be found at [www.census.gov/services/qss/how\\_the\\_data\\_are\\_collected.html](http://www.census.gov/services/qss/how_the_data_are_collected.html). For NAICS 52, estimates may include unrealized gains (losses).

Table A2. Selected Services - Advance Estimated Measures of Sampling Variability

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey.

For additional information see [www.census.gov/services](http://www.census.gov/services)

2012 NAICS code	Kind of business	Coefficient of variation for total revenue				Standard error for percent change		
		2Q 2022 (a)	1Q 2022 (r)	2Q 2021	1Q 2021	2Q 2022 from 1Q 2022 (a)	2Q 2021 from 1Q 2021	2Q 2022 from 2Q 2021 (a)
	<b>Selected Services Total.....</b>	<b>1.0</b>	<b>0.9</b>	<b>1.1</b>	<b>1.0</b>	<b>0.3</b>	<b>0.2</b>	<b>0.2</b>
<b>22</b>	<b>Utilities.....</b>	<b>2.1</b>	<b>1.4</b>	<b>2.1</b>	<b>1.7</b>	<b>1.1</b>	<b>0.8</b>	<b>0.6</b>
<b>48-49</b>	<b>Transportation and warehousing.....</b>	<b>1.6</b>	<b>1.7</b>	<b>1.2</b>	<b>1.0</b>	<b>0.6</b>	<b>0.6</b>	<b>0.8</b>
481	Air transportation.....	4.6	4.4	6.1	9.6	2.2	5.1	3.0
483	Water transportation.....	11.2	15.6	20.7	21.0	4.6	1.0	12.8
484	Truck transportation.....	1.6	1.6	2.2	2.3	0.8	0.9	2.3
485	Transit and ground passenger transportation.....	4.5	4.5	6.2	5.7	0.7	3.3	4.2
488	Support activities for transportation.....	4.2	4.3	4.3	4.3	0.7	0.6	1.2
492	Couriers and messengers.....	5.8	5.4	5.5	4.8	0.5	1.0	2.9
493	Warehousing and storage.....	7.7	7.1	7.8	7.1	1.4	1.4	3.8
<b>51</b>	<b>Information.....</b>	<b>1.8</b>	<b>1.8</b>	<b>1.8</b>	<b>1.6</b>	<b>0.3</b>	<b>0.4</b>	<b>0.8</b>
511	Publishing industries (except Internet).....	4.0	4.0	3.5	2.9	0.7	1.4	1.8
5112	Software publishers.....	4.3	4.4	3.8	3.0	0.8	1.7	2.1
512	Motion picture and sound recording industries.....	2.2	2.4	2.3	2.4	2.0	2.0	2.5
517	Telecommunications.....	1.6	1.3	1.1	1.1	0.3	0.2	0.9
5171	Wired telecommunications carriers.....	2.1	1.9	1.8	1.7	0.4	0.3	1.0
5172	Wireless telecommunications carriers (except satellite).....	2.5	2.2	1.8	1.8	0.4	0.2	1.4
518	Data processing, hosting, and related services.....	3.4	4.1	3.5	3.8	1.1	0.6	1.3
519	Other information services.....	6.3	6.1	5.8	5.5	0.7	0.5	1.3
<b>52</b>	<b>Finance and insurance.....</b>	<b>2.1</b>	<b>1.9</b>	<b>1.8</b>	<b>1.9</b>	<b>0.4</b>	<b>0.4</b>	<b>0.5</b>
522	Credit intermediation and related activities.....	2.3	2.1	2.6	2.4	0.8	0.7	1.0
524	Insurance carriers and related activities.....	2.4	2.3	2.1	2.2	0.6	0.3	0.7
<b>53</b>	<b>Real estate and rental and leasing.....</b>	<b>1.8</b>	<b>1.6</b>	<b>1.7</b>	<b>1.4</b>	<b>0.5</b>	<b>0.9</b>	<b>1.0</b>
531	Real estate.....	1.1	1.2	1.4	1.0	0.5	1.0	1.1
532	Rental and leasing services.....	4.5	3.7	3.4	3.8	1.2	1.7	1.8
<b>54</b>	<b>Professional, scientific, and technical services.....</b>	<b>3.6</b>	<b>3.3</b>	<b>3.9</b>	<b>3.6</b>	<b>0.7</b>	<b>0.8</b>	<b>0.9</b>
5411	Legal services.....	5.0	5.1	4.1	5.0	2.5	3.0	2.4
5412	Accounting, tax preparation, bookkeeping, and payroll services.....	3.3	3.1	3.8	2.7	1.0	2.0	3.0
5413	Architectural, engineering, and related services.....	4.8	4.7	4.3	4.3	1.1	1.6	2.7
5415	Computer systems design and related services.....	5.6	4.9	5.0	4.9	1.1	1.1	2.0
5416	Management, scientific, and technical consulting services.....	2.9	2.9	3.6	3.7	0.9	0.5	2.2
5418	Advertising, public relations, and related services.....	2.1	2.2	2.7	2.7	0.7	0.4	1.0
<b>56</b>	<b>Administrative and support and waste management and remediation services.....</b>	<b>4.1</b>	<b>4.3</b>	<b>3.4</b>	<b>3.5</b>	<b>1.0</b>	<b>0.9</b>	<b>1.6</b>
561	Administrative and support services.....	4.5	4.7	3.9	3.9	1.0	1.0	1.9
562	Waste management and remediation services.....	5.4	5.3	5.8	5.6	0.6	0.8	1.1
<b>61</b>	<b>Educational services.....</b>	<b>4.5</b>	<b>4.8</b>	<b>4.2</b>	<b>4.9</b>	<b>2.1</b>	<b>2.0</b>	<b>1.5</b>
<b>62</b>	<b>Health care and social assistance.....</b>	<b>2.2</b>	<b>2.2</b>	<b>2.1</b>	<b>2.3</b>	<b>0.2</b>	<b>0.4</b>	<b>0.5</b>
	Health care and social assistance - taxable.....	2.6	2.6	2.6	2.6	0.5	0.4	0.6
	Health care and social assistance - tax-exempt.....	2.9	2.9	2.3	2.6	0.3	0.5	1.0
621	Ambulatory health care services.....	1.8	1.7	1.5	1.7	0.7	0.6	0.7
	Ambulatory health care services - taxable.....	2.5	2.3	2.0	2.3	0.7	0.6	0.8
	Ambulatory health care services - tax-exempt.....	6.4	5.8	5.8	5.3	1.0	0.9	1.8
6211	Offices of physicians - taxable.....	3.5	3.4	3.6	3.7	1.0	0.9	1.0
6214	Outpatient care centers.....	3.9	3.4	2.8	2.5	0.8	0.9	1.7
6215	Medical and diagnostic laboratories - taxable.....	3.6	3.5	3.7	3.2	0.4	1.2	2.2
6219	Other ambulatory health care services.....	2.2	2.0	2.8	2.6	0.8	1.1	2.2
622	Hospitals.....	4.3	4.3	3.9	4.1	0.3	0.7	1.0
	Hospitals - taxable.....	13.1	13.0	12.5	11.7	0.5	2.0	0.6
	Hospitals - tax-exempt.....	3.7	3.7	3.1	3.5	0.4	0.8	1.2
623	Nursing and residential care facilities.....	3.0	3.1	3.0	2.7	0.4	0.8	1.6
	Nursing and residential care facilities - taxable.....	5	5	3.0	2.9	5	0.8	5
	Nursing and residential care facilities - tax-exempt.....	4.2	4.4	4.0	3.6	0.7	1.4	1.8
624	Social assistance.....	3.7	3.8	4.7	3.7	1.1	1.6	1.6
<b>71</b>	<b>Arts, entertainment, and recreation.....</b>	<b>3.6</b>	<b>3.7</b>	<b>3.9</b>	<b>5.1</b>	<b>1.7</b>	<b>1.8</b>	<b>1.9</b>
711	Performing arts, spectator sports, and related industries.....	4.9	6.3	5.8	7.3	3.7	3.2	3.3
712	Museums, historical sites, and similar institutions.....	7.5	5.4	3.9	3.2	5.9	3.4	5.4
713	Amusement, gambling, and recreation industries.....	5.0	5.3	6.2	8.3	1.3	2.5	2.2



**Table A2. Selected Services - Advance Estimated Measures of Sampling Variability**

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey.

For additional information see [www.census.gov/services](http://www.census.gov/services)]

2012 NAICS code	Kind of business	Coefficient of variation for total revenue				Standard error for percent change		
		2Q 2022 (a)	1Q 2022 (r)	2Q 2021	1Q 2021	2Q 2022 from 1Q 2022 (a)	2Q 2021 from 1Q 2021	2Q 2022 from 2Q 2021 (a)
721	Accommodation.....	2.0	2.3	1.7	2.0	1.1	1.2	2.5
81	Other services (except public administration).....	2.0	2.1	2.5	2.7	1.9	1.7	1.8
811	Repair and maintenance.....	4.3	4.3	3.5	4.1	1.1	1.3	2.7
812	Personal and laundry services.....	S	S	5.4	3.7	S	2.7	S

(a) Advance estimate. (r) Revised estimate.

S Corresponding estimate in Table A1 does not meet publication standards because of high sampling variability, poor response quality or other concerns about the estimate's quality.

Note: Estimated measures of sampling variability are based on data not adjusted for seasonal variation, and should be used when drawing inferences about both adjusted and not adjusted estimates. Additional information on confidentiality protection, sampling error, nonsampling errors, sample design, and definitions may be found at [www.census.gov/services/qss/how\\_the\\_data\\_are\\_collected.html](http://www.census.gov/services/qss/how_the_data_are_collected.html).

Table A3. Selected Services - Advance Estimated Quarterly Revenue for Employer Firms, Seasonally Adjusted<sup>1</sup>  
[Estimates are adjusted for seasonal variation but not for price changes and are based on data from the Quarterly Services Survey. For additional information see [www.census.gov/services](http://www.census.gov/services)]

2012 NAICS code <sup>2</sup>	Kind of business	Total revenue (millions of dollars)						Percent change					
		2Q 2022 (a)	1Q 2022 (r)	4Q 2021 (r)	3Q 2021 (r)	2Q 2021 (r)	1Q 2021 (r)	2Q 2022 from 1Q 2022 (a)	1Q 2022 from 4Q 2021 (r)	4Q 2021 from 3Q 2021 (r)	3Q 2021 from 2Q 2021 (r)	2Q 2022 from 2Q 2021 (a)	1Q 2022 from 1Q 2021 (r)
	Selected Services Total <sup>3</sup> .....	4,950,083	4,845,758	4,770,386	4,650,733	4,490,365	4,333,656	2.2	1.6	2.6	3.6	10.2	11.8

(a) Advance estimate. (r) Revised estimate.  
(1) The seasonal factors are based on a short time series that may not have stable seasonal patterns. As more estimates are added to the time series, large revisions in seasonal factors and consequently historical estimates may be observed. Data users should exercise caution when drawing inferences based on the seasonally adjusted estimates. Unless otherwise specified, seasonally adjusted estimates are obtained using a direct seasonal adjustment at the published NAICS (North American Industry Classification System) level.

(2) For a full description of the NAICS (North American Industry Classification System) codes used in this table, see the 2012 NAICS manual or [www.census.gov/naics/](http://www.census.gov/naics/).

(3) Includes NAICS 22 (Utilities), NAICS 48-49 (Transportation and warehousing), NAICS 51 (Information), NAICS 52 (Finance and insurance), NAICS 53 (Real estate and rental and leasing), NAICS 54 (Selected professional, scientific, and technical services), NAICS 56 (Administrative and support and waste management and remediation services), NAICS 61 (Educational services), NAICS 62 (Health care and social assistance), NAICS 71 (Arts, entertainment, and recreation), NAICS 721 (Accommodation), and NAICS 81 (Other services (except public administration)). Excludes government owned utilities, NAICS 482 (Rail transportation), NAICS 491 (Postal Service), NAICS 525 (Funds, trusts, and other financial vehicles), NAICS 54112 (Offices of notaries), NAICS 6111 (Elementary and secondary schools), NAICS 6112 (Junior colleges), NAICS 6113 (Colleges, universities, and professional schools), NAICS 8131 (Religious organizations), NAICS 81393 (Labor unions and similar labor organizations), NAICS 81394 (Political organizations), and NAICS 814 (Private households).

Note: Estimates cover taxable and tax-exempt firms unless otherwise specified. Additionally, estimates for some sectors and subsectors may include data for kinds of business not shown. Table A5 provides estimated measures of sampling variability. Data users who create their own estimates using data from this report should cite the U.S. Census Bureau as the source of the original data only. Additional information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions may be found at [www.census.gov/services/qss/how\\_the\\_data\\_are\\_collected.html](http://www.census.gov/services/qss/how_the_data_are_collected.html).

Table A4. Selected Services - Advance Estimated Quarterly Revenue for Employer Firms, Not Seasonally Adjusted  
[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey. For additional information see www.census.gov/services]

2012 NAICS code <sup>1</sup>	Kind of business	Total revenue (millions of dollars)						Percent change				Year to date		
		2Q 2022 (a)	1Q 2022 (r)	4Q 2021	3Q 2021	2Q 2021	1Q 2021	2Q 2022 from 1Q 2022 (a)	1Q 2022 from 4Q 2021 (r)	2Q 2022 from 2Q 2021 (a)	1Q 2022 from 1Q 2021 (r)	2022 (a)	2021	2022 from 2021 (a)
	Selected Services Total <sup>2</sup> .....	4,950,083	4,743,997	4,865,794	4,660,034	4,490,365	4,242,649	4.3	-2.5	10.2	11.8	9,694,080	8,733,014	11.0
22	Utilities <sup>3</sup> .....	170,385	179,071	161,687	167,785	143,042	164,012	-4.9	10.8	19.1	9.2	349,456	307,054	13.8
2211	Electric power generation, transmission and distribution.....	X	123,701	119,728	140,944	115,115	116,318	X	3.3	X	6.3	X	231,433	X
2212	Natural gas distribution.....	X	51,414	37,878	22,129	23,554	43,773	X	35.7	X	17.5	X	67,327	X
2213	Water, sewage and other systems.....	X	3,956	4,081	4,712	4,373	3,921	X	-3.1	X	0.9	X	8,294	X
48-49	Transportation and warehousing <sup>4</sup> .....	375,372	331,313	333,544	311,181	285,450	247,130	13.3	-0.7	31.5	34.1	706,685	532,580	32.7
481	Air transportation.....	76,963	53,242	56,994	55,157	43,139	27,085	44.6	-6.6	78.4	96.6	130,205	70,224	85.4
483	Water transportation.....	14,037	10,698	11,417	8,717	7,121	6,088	31.2	-6.3	97.1	75.7	24,735	13,209	87.3
4831	Deep sea, coastal, and Great Lakes water transportation.....	X	8,921	9,617	7,137	5,475	4,648	X	-7.2	X	X	X	10,123	X
4832	Inland water transportation.....	X	1,777	1,800	1,580	1,646	1,440	X	-1.3	X	23.4	X	3,086	X
484	Truck transportation.....	119,618	106,150	105,386	99,794	95,744	83,307	12.7	0.7	24.9	27.4	225,768	179,051	26.1
4841	General freight trucking.....	X	75,779	73,671	69,074	65,667	59,063	X	2.9	X	28.3	X	124,730	X
48412	General freight trucking, long-distance.....	X	61,011	59,454	55,791	53,129	47,892	X	2.6	X	27.4	X	101,021	X
4842	Specialized freight trucking.....	X	30,371	31,715	30,720	30,077	24,244	X	-4.2	X	25.3	X	54,321	X
485	Transit and ground passenger transportation.....	15,067	14,432	14,207	12,577	11,764	9,950	4.4	1.6	28.1	45.0	29,499	21,714	35.9
486	Pipeline transportation.....	X	17,134	16,622	15,635	14,333	16,443	X	3.1	X	4.2	X	30,776	X
487	Scenic and sightseeing transportation.....	X	822	778	1,671	1,171	531	X	5.7	X	54.8	X	1,702	X
488	Support activities for transportation.....	79,367	78,497	76,369	71,525	66,030	59,351	1.1	2.8	20.2	32.3	157,864	125,381	25.9
492	Couriers and messengers.....	37,091	36,642	38,157	33,323	34,012	32,639	1.2	-4.0	9.1	12.3	73,733	66,651	10.6
493	Warehousing and storage.....	14,555	13,696	13,614	12,782	12,136	11,736	6.3	0.6	19.9	16.7	28,251	23,872	18.3
51	Information.....	552,863	536,022	554,324	511,222	504,625	480,485	3.1	-3.3	9.6	11.6	1,088,885	985,110	10.5
511	Publishing industries (except Internet).....	141,771	135,786	137,483	125,726	126,534	119,038	4.4	-1.2	12.0	14.1	277,557	245,572	13.0
5111	Newspaper, periodical, book, and directory publishers.....	X	20,333	23,214	22,545	20,964	19,200	X	-12.4	X	5.9	X	40,164	X
51111	Newspaper publishers.....	X	5,690	6,306	5,680	5,715	5,526	X	-9.8	X	3.0	X	11,241	X
51112	Periodical publishers.....	X	6,002	6,658	6,224	5,966	5,621	X	-9.9	X	6.8	X	11,587	X
5111 pt	Book, directory and mailing list, and other publishers <sup>5</sup> .....	X	8,641	10,250	10,641	9,283	8,053	X	-15.7	X	7.3	X	17,336	X
5112	Software publishers.....	119,583	115,453	114,269	103,181	105,570	99,838	3.6	1.0	13.3	15.6	235,036	205,408	14.4
512	Motion picture and sound recording industries.....	35,973	29,160	34,246	28,140	26,135	24,429	23.4	-14.9	37.6	19.4	65,133	50,564	28.8
515	Broadcasting (except Internet).....	X	49,052	51,480	47,398	45,268	44,526	X	-4.7	X	10.2	X	89,794	X
5151	Radio and television broadcasting.....	X	24,296	25,682	23,441	22,186	21,823	X	-5.4	X	11.3	X	44,009	X
5152	Cable and other subscription programming.....	X	24,756	25,798	23,957	23,082	22,703	X	-4.0	X	9.0	X	45,785	X
517	Telecommunications.....	169,371	168,674	171,358	164,682	164,203	162,019	0.4	-1.6	3.1	4.1	338,045	326,222	3.6
5171	Wired telecommunications carriers.....	78,443	78,022	79,042	78,358	78,914	78,200	0.5	-1.3	-0.6	-0.2	156,465	157,114	-0.4
5172	Wireless telecommunications carriers (except satellite).....	78,299	78,466	80,180	74,392	73,315	72,318	-0.2	-2.1	6.8	8.5	156,765	145,633	7.6
517 pt	Other telecommunications <sup>6</sup> .....	X	12,186	12,136	11,932	11,974	11,501	X	0.4	X	6.0	X	23,475	X
518	Data processing, hosting, and related services.....	70,925	67,956	67,053	62,227	60,554	56,865	4.4	1.3	17.1	19.5	138,881	117,419	18.3
519	Other information services.....	88,046	85,394	92,704	83,049	81,931	73,608	3.1	-7.9	7.5	16.0	173,440	155,539	11.5
52	Finance and insurance <sup>7</sup> .....	1,431,340	1,394,708	1,391,985	1,362,557	1,316,673	1,301,351	2.6	0.2	8.7	7.2	2,826,048	2,618,024	7.9
52 pt	Finance and insurance (except monetary authorities-central bank) <sup>8</sup> .....	X	1,357,674	1,359,304	1,327,516	1,284,481	1,278,897	X	-0.1	X	6.2	X	2,563,378	X
521	Monetary authorities-central bank.....	X	37,034	32,681	35,041	32,192	22,454	X	13.3	X	64.9	X	54,646	X
522	Credit intermediation and related activities.....	394,351	374,233	380,288	369,629	360,319	358,210	5.4	-1.6	9.4	4.5	768,584	718,529	7.0
5221	Depository credit intermediation.....	X	162,483	167,713	163,893	160,776	159,704	X	-3.1	X	1.7	X	320,480	X
5222	Nondepository credit intermediation.....	X	174,125	175,006	169,027	164,144	162,602	X	-0.5	X	7.1	X	326,746	X
5223	Activities related to credit intermediation.....	X	37,625	37,569	36,709	35,399	35,904	X	0.1	X	4.8	X	71,303	X
523	Securities, commodity contracts, and other financial investments and related activities.....	X	204,919	211,588	197,315	193,982	200,650	X	-3.2	X	2.1	X	394,632	X
5231	Securities and commodity contracts intermediation and brokerage.....	X	79,335	79,280	77,536	75,361	81,585	X	0.1	X	-2.8	X	156,946	X
5232	Securities and commodity exchanges.....	X	4,361	3,953	3,746	3,658	4,206	X	10.3	X	3.7	X	7,864	X
5239	Other financial investment activities.....	X	121,223	128,355	116,033	114,963	114,859	X	-5.6	X	5.5	X	229,822	X
524	Insurance carriers and related activities.....	801,913	778,522	767,428	760,572	730,180	720,037	3.0	1.4	9.8	8.1	1,580,435	1,450,217	9.0
5241	Insurance carriers.....	X	662,962	658,641	652,963	627,445	617,471	X	0.7	X	7.4	X	1,244,916	X
5242	Agencies, brokerages, and other insurance related activities.....	X	115,560	108,787	107,609	102,735	102,566	X	6.2	X	12.7	X	205,301	X
53	Real estate and rental and leasing.....	245,206	218,982	236,884	228,425	218,468	183,751	12.0	-7.6	12.2	19.2	464,188	402,219	15.4
531	Real estate.....	169,981	151,161	167,258	160,005	152,886	130,686	12.5	-9.6	11.2	15.7	321,142	283,572	13.2
5311	Lessors of real estate.....	X	80,058	82,300	78,093	74,540	67,911	X	-2.7	X	17.9	X	142,451	X
5312	Offices of real estate agents and brokers.....	X	37,665	50,037	48,574	47,366	32,850	X	-24.7	X	14.7	X	80,216	X
5313	Activities related to real estate.....	X	33,438	34,921	33,338	30,980	29,925	X	-4.2	X	11.7	X	60,905	X
532	Rental and leasing services.....	57,901	50,703	51,900	51,900	49,261	40,080	14.2	-2.3	17.5	26.5	108,604	89,341	21.6
5321	Automotive equipment rental and leasing.....	X	22,671	22,862	24,169	23,056	S	X	-0.8	X	S	X	S	X
53211	Passenger car rental and leasing.....	X	15,331	15,045	16,107	15,536	S	X	1.9	X	S	X	S	X
53212	Truck, utility trailer, and RV (Recreational Vehicle) rental and leasing.....	X	7,340	7,817	8,062	7,520	6,608	X	-6.1	X	11.1	X	14,128	X
5322	Consumer goods rental.....	X	5,520	5,709	5,987	6,061	5,509	X	-3.3	X	0.2	X	11,570	X
5323	General rental centers.....	X	S	S	S	S	S	X	S	X	S	X	S	X
5324	Commercial and industrial machinery and equipment rental and leasing.....	X	21,654	22,237	20,609	19,079	17,063	X	-2.6	X	26.9	X	36,142	X
533	Lessors of nonfinancial intangible assets (except copyrighted works).....	X	S	17,726	S	S	S	X	S	X	S	X	S	X

Table A4. Selected Services - Advance Estimated Quarterly Revenue for Employer Firms, Not Seasonally Adjusted

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey. For additional information see www.census.gov/services]

2012 NAICS code <sup>1</sup>	Kind of business	Total revenue (millions of dollars)						Percent change				Year to date		
		2Q 2022 (a)	1Q 2022 (r)	4Q 2021	3Q 2021	2Q 2021	1Q 2021	2Q 2022 from 1Q 2022 (a)	1Q 2022 from 4Q 2021 (r)	2Q 2022 from 2Q 2021 (a)	1Q 2022 from 1Q 2021 (r)	2022 (a)	2021	2022 from 2021 (a)
54	Professional, scientific, and technical services <sup>9</sup> .....	666,631	636,611	643,641	612,556	598,673	562,841	4.7	-1.1	11.4	13.1	1,303,242	1,161,514	12.2
5411	Legal services <sup>9</sup> .....	89,454	83,373	98,516	88,253	81,333	78,217	7.3	-15.4	10.0	6.6	172,827	159,550	8.3
5412	Accounting, tax preparation, bookkeeping, and payroll services.....	57,577	60,753	47,140	44,637	48,477	51,640	-5.2	28.9	18.8	17.6	118,330	100,117	18.2
5413	Architectural, engineering, and related services.....	109,460	103,724	101,462	96,448	95,807	89,539	5.5	2.2	14.3	15.8	213,184	185,346	15.0
5413 pt	Architectural and related services <sup>10</sup> .....	X	26,425	24,536	23,316	22,327	21,801	X	7.7	X	21.2	X	44,128	X
54133	Engineering services.....	X	77,299	76,926	73,132	73,480	67,738	X	0.5	X	14.1	X	141,218	X
5414	Specialized design services.....	X	9,029	8,262	8,486	8,983	7,774	X	9.3	X	16.1	X	16,757	X
5415	Computer systems design and related services.....	147,368	142,682	143,170	141,494	139,331	130,606	3.3	-0.3	5.8	9.2	290,050	269,937	7.5
5416	Management, scientific, and technical consulting services.....	101,052	95,100	93,723	89,005	85,186	77,259	6.3	1.5	18.6	23.1	196,152	162,445	20.7
5417	Scientific research and development services.....	X	61,371	65,103	64,190	63,348	57,307	X	-5.7	X	7.1	X	120,655	X
5418	Advertising, public relations, and related services.....	52,042	48,126	51,445	46,507	44,014	40,335	8.1	-6.5	18.2	19.3	100,168	84,349	18.8
5419	Other professional, scientific, and technical services.....	X	S	34,820	33,536	32,194	30,164	X	S	X	S	X	62,358	X
56	Administrative and support and waste management and remediation services.....	360,132	338,016	340,672	325,878	303,256	280,279	6.5	-0.8	18.8	20.6	698,148	583,535	19.6
561	Administrative and support services.....	323,876	305,467	307,489	293,195	272,408	251,554	6.0	-0.7	18.9	21.4	629,343	523,962	20.1
5613	Employment services.....	X	148,748	150,188	132,144	121,843	119,548	X	-1.0	X	24.4	X	241,391	X
5615	Travel arrangement and reservation services.....	X	18,607	19,633	21,433	16,031	9,699	X	-5.2	X	91.8	X	25,730	X
561 pt	Other administrative and support services <sup>11</sup> .....	X	138,112	137,668	139,618	134,534	122,307	X	0.3	X	12.9	X	256,841	X
562	Waste management and remediation services.....	36,256	32,549	33,183	32,683	30,848	28,725	11.4	-1.9	17.5	13.3	68,805	59,573	15.5
61	Educational services <sup>12</sup> .....	24,854	22,674	22,524	21,238	20,992	18,852	9.6	0.7	18.4	20.3	47,528	39,844	19.3
6114	Business schools and computer and management training.....	X	3,023	3,829	3,469	3,304	2,900	X	-21.0	X	4.2	X	6,204	X
6115	Technical and trade schools.....	X	3,963	3,826	3,649	3,561	3,480	X	3.6	X	13.9	X	7,041	X
6116	Other schools and instruction.....	X	9,010	8,249	8,128	8,082	7,838	X	9.2	X	15.0	X	15,920	X
6117	Educational support services.....	X	6,678	6,620	5,992	6,045	4,634	X	0.9	X	44.1	X	10,679	X
62	Health care and social assistance.....	785,869	773,685	805,500	774,516	777,469	740,913	1.6	-3.9	1.1	4.4	1,559,554	1,518,382	2.7
	Health care and social assistance - taxable.....	400,745	389,407	395,227	383,690	376,799	362,086	2.9	-1.5	6.4	7.5	790,152	738,885	6.9
	Health care and social assistance - tax-exempt.....	385,124	384,278	410,273	390,826	400,670	378,827	0.2	-6.3	-3.9	1.4	769,402	779,497	-1.3
621	Ambulatory health care services.....	327,553	315,657	324,450	314,387	310,117	297,121	3.8	-2.7	5.6	6.2	643,210	607,238	5.9
	Ambulatory health care services - taxable.....	291,683	282,438	289,078	280,644	276,081	265,286	3.3	-2.3	5.7	6.5	574,121	541,367	6.1
	Ambulatory health care services - tax-exempt.....	35,870	33,219	35,372	33,743	34,036	31,835	8.0	-6.1	5.4	4.3	69,089	65,871	4.9
6211	Offices of physicians - taxable.....	139,663	135,594	142,531	136,842	134,910	129,496	3.0	-4.9	3.5	4.7	275,257	264,406	4.1
6212	Offices of dentists - taxable.....	X	S	S	S	S	S	X	S	X	S	X	S	X
6213	Offices of other health practitioners - taxable.....	X	29,550	29,020	28,835	26,715	25,760	X	1.8	X	14.7	X	52,475	X
6214	Outpatient care centers.....	57,466	53,985	56,423	53,433	50,531	50,531	6.4	-4.3	8.4	6.8	111,451	103,534	7.6
	Outpatient care centers - taxable.....	X	31,141	31,940	30,415	29,655	28,944	X	-2.5	X	7.6	X	58,599	X
	Outpatient care centers - tax-exempt.....	X	22,844	24,483	23,018	23,348	21,587	X	-6.7	X	5.8	X	44,935	X
6215	Medical and diagnostic laboratories - taxable.....	16,136	17,068	18,378	17,740	16,598	17,319	-5.5	-7.1	-2.8	-1.4	33,204	33,917	-2.1
6216	Home health care services.....	X	27,283	27,483	27,128	26,188	25,118	X	-0.7	X	1.2	X	51,306	X
	Home health care services - taxable.....	X	S	S	21,095	20,251	19,410	X	S	X	S	X	39,661	X
	Home health care services - tax-exempt.....	X	5,776	6,161	6,033	5,937	5,708	X	-6.2	X	1.2	X	11,645	X
6219	Other ambulatory health care services.....	12,861	12,977	13,001	13,132	12,975	11,868	-0.9	-0.2	-0.9	9.3	25,838	24,843	4.0
	Other ambulatory health care services - taxable.....	X	8,378	8,273	8,440	8,224	7,328	X	1.3	X	14.3	X	15,552	X
	Other ambulatory health care services - tax-exempt.....	X	4,599	4,728	S	4,751	4,540	X	-2.7	X	1.3	X	9,291	X
622	Hospitals.....	322,204	327,099	345,056	335,686	339,073	322,971	-1.5	-5.2	-5.0	1.3	649,303	662,044	-1.9
	Hospitals - taxable.....	39,731	39,474	39,881	39,546	39,192	37,111	0.7	-1.0	1.4	6.4	79,205	76,303	3.8
	Hospitals - tax-exempt.....	282,473	287,625	305,175	296,140	299,881	285,860	-1.8	-5.8	-5.8	0.6	570,098	585,741	-2.7
6221	General medical and surgical hospitals.....	X	305,639	323,213	314,371	317,469	302,725	X	-5.4	X	1.0	X	620,194	X
	General medical and surgical hospitals - taxable.....	X	31,665	32,196	32,206	31,779	30,044	X	-1.6	X	5.4	X	61,823	X
	General medical and surgical hospitals - tax-exempt.....	X	273,974	291,017	282,165	285,690	272,681	X	-5.9	X	0.5	X	558,371	X
6222	Psychiatric and substance abuse hospitals.....	X	7,250	7,444	6,923	7,224	6,860	X	-2.6	X	5.7	X	14,084	X
	Psychiatric and substance abuse hospitals - taxable.....	X	2,262	2,349	2,206	2,318	2,162	X	-3.7	X	4.6	X	4,480	X
	Psychiatric and substance abuse hospitals - tax-exempt.....	X	4,988	5,095	4,717	4,906	4,698	X	-2.1	X	6.2	X	9,604	X
6223	Specialty (except psychiatric and substance abuse) hospitals.....	X	14,210	14,399	14,392	14,380	13,386	X	-1.3	X	6.2	X	27,766	X
	Specialty (except psychiatric and substance abuse) hospitals - taxable.....	X	5,547	5,336	5,134	5,095	4,905	X	4.0	X	13.1	X	10,000	X
	Specialty (except psychiatric and substance abuse) hospitals - tax-exempt.....	X	8,663	9,063	9,258	9,285	8,481	X	-4.4	X	2.1	X	17,766	X
623	Nursing and residential care facilities.....	72,925	70,284	70,224	67,077	67,445	64,356	3.8	0.1	8.1	9.2	143,209	131,801	8.7
	Nursing and residential care facilities - taxable.....	S	S	S	44,591	43,301	42,079	S	S	S	S	S	85,380	S
	Nursing and residential care facilities - tax-exempt.....	23,966	22,728	23,769	22,486	24,144	22,277	5.4	-4.4	-0.7	2.0	46,694	46,421	0.6
624	Social assistance.....	63,187	60,645	65,770	57,366	60,834	56,465	4.2	-7.8	3.9	7.4	123,832	117,299	5.6
	Social assistance - taxable.....	X	S	S	S	18,225	17,610	X	S	X	S	X	35,835	X
	Social assistance - tax-exempt.....	X	40,706	45,957	38,457	42,609	38,855	X	-11.4	X	4.8	X	81,464	X
6241	Individual and family services.....	X	31,349	34,082	31,044	33,340	30,343	X	-8.0	X	3.3	X	63,683	X
6242	Community food and housing, and emergency and other relief services.....	X	11,283	14,086	9,382	10,342	10,661	X	-19.9	X	5.8	X	21,003	X
6243	Vocational rehabilitation services.....	X	3,549	3,924	3,642	4,028	3,411	X	-9.6	X	4.0	X	7,439	X
6244	Child day care services.....	X	14,464	13,678	13,298	13,124	12,050	X	5.7	X	20.0	X	25,174	X
	Child day care services - taxable.....	X	S	8,683	S	7,835	7,418	X	S	X	S	X	15,253	X
	Child day care services - tax-exempt.....	X	5,218	4,995	4,665	5,289	4,632	X	4.5	X	12.7	X	9,921	X

Table A4. Selected Services - Advance Estimated Quarterly Revenue for Employer Firms, Not Seasonally Adjusted

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey. For additional information see [www.census.gov/services](http://www.census.gov/services)]

2012 NAICS code <sup>1</sup>	Kind of business	Total revenue (millions of dollars)						Percent change				Year to date		
		2Q 2022 (a)	1Q 2022 (r)	4Q 2021	3Q 2021	2Q 2021	1Q 2021	2Q 2022 from 1Q 2022 (a)	1Q 2022 from 4Q 2021 (r)	2Q 2022 from 2Q 2021 (a)	1Q 2022 from 1Q 2021 (r)	2022 (a)	2021	2022 from 2021 (a)
71	<b>Arts, entertainment, and recreation</b> .....	<b>92,068</b>	<b>78,642</b>	<b>90,961</b>	<b>88,203</b>	<b>73,398</b>	<b>58,157</b>	17.1	-13.5	25.4	35.2	170,710	131,555	29.8
	Arts, entertainment, and recreation - taxable.....	X	65,846	74,332	71,206	58,929	47,347	X	-11.4	X	39.1	X	106,276	X
	Arts, entertainment, and recreation - tax-exempt.....	X	12,796	16,629	16,997	14,469	10,810	X	-23.1	X	18.4	X	25,279	X
711	Performing arts, spectator sports, and related industries.....	42,553	36,712	46,386	41,184	29,274	23,445	15.9	-20.9	45.4	56.6	79,265	52,719	50.4
	Performing arts, spectator sports, and related industries - taxable.....	X	32,961	41,854	35,887	25,864	21,080	X	-21.2	X	56.4	X	46,944	X
	Performing arts, spectator sports, and related industries - tax-exempt.....	X	3,751	4,532	5,297	3,410	2,365	X	-17.2	X	58.6	X	5,775	X
7111	Performing arts companies.....	X	3,603	4,793	4,667	2,614	1,839	X	-24.8	X	95.9	X	4,453	X
	Performing arts companies - taxable.....	X	1,822	2,582	2,315	970	707	X	-29.4	X	157.7	X	1,677	X
	Performing arts companies - tax-exempt.....	X	1,781	2,211	2,352	1,644	1,132	X	-19.4	X	57.3	X	2,776	X
7112	Spectator sports - taxable.....	X	14,948	19,900	16,629	14,041	10,283	X	-24.9	X	45.4	X	24,324	X
7113	Promoters of performing arts, sports, and similar events.....	X	9,373	11,568	11,539	5,723	4,611	X	-19.0	X	103.3	X	10,334	X
	Promoters of performing arts, sports, and similar events - taxable.....	X	7,403	9,247	8,594	3,957	3,378	X	-19.9	X	119.2	X	7,335	X
	Promoters of performing arts, sports, and similar events - tax-exempt.....	X	1,970	2,321	2,945	1,766	1,233	X	-15.1	X	59.8	X	2,999	X
7114	Agents and managers for artists, athletes, entertainers, and other public figures - taxable.....	X	2,779	2,901	2,718	2,294	1,929	X	-4.2	X	44.1	X	4,223	X
7115	Independent artists, writers, and performers - taxable.....	X	S	S	5,631	4,602	4,783	X	S	X	S	X	9,385	X
712	Museums, historical sites, and similar institutions.....	5,757	4,372	7,475	6,422	6,255	4,253	31.7	-41.5	-8.0	2.8	10,129	10,508	-3.6
	Museums, historical sites, and similar institutions - tax-exempt.....	X	3,825	6,712	5,620	5,540	3,861	X	-43.0	X	-0.9	X	9,401	X
713	Amusement, gambling, and recreation industries.....	43,758	37,558	37,100	40,597	37,869	30,459	16.5	1.2	15.6	23.3	81,316	68,328	19.0
	Amusement, gambling, and recreation industries - taxable.....	X	32,338	31,715	34,517	32,350	25,875	X	2.0	X	25.0	X	58,225	X
	Amusement, gambling, and recreation industries - tax-exempt.....	X	5,220	5,385	6,080	5,519	4,584	X	-3.1	X	13.9	X	10,103	X
7131	Amusement parks and arcades - taxable.....	X	5,696	6,650	8,296	6,424	2,693	X	-14.3	X	111.5	X	9,117	X
7132	Gambling industries - taxable.....	X	7,682	7,658	7,524	7,820	7,697	X	0.3	X	-0.2	X	15,517	X
7139	Other amusement and recreation industries.....	X	24,180	22,792	24,777	23,625	20,069	X	6.1	X	20.5	X	43,694	X
	Other amusement and recreation industries - taxable.....	X	18,960	17,407	S	18,106	15,485	X	8.9	X	22.4	X	33,591	X
	Other amusement and recreation industries - tax-exempt.....	X	5,220	5,385	6,080	5,519	4,584	X	-3.1	X	13.9	X	10,103	X
721	<b>Accommodation</b> .....	<b>91,187</b>	<b>72,056</b>	<b>76,243</b>	<b>82,398</b>	<b>66,146</b>	<b>44,542</b>	<b>26.6</b>	<b>-5.5</b>	<b>37.9</b>	<b>61.8</b>	<b>163,243</b>	<b>110,688</b>	<b>47.5</b>
7211	Traveler accommodation.....	X	69,772	73,907	78,984	63,139	42,717	X	-5.6	X	63.3	X	105,856	X
7212	RV (recreational vehicle) parks and recreational camps.....	X	1,675	1,692	2,760	2,496	1,322	X	-1.0	X	26.7	X	3,818	X
7213	Rooming and boarding houses.....	X	609	644	654	511	503	X	-5.4	X	21.1	X	1,014	X
81	<b>Other services (except public administration)<sup>13</sup></b> .....	<b>154,176</b>	<b>162,217</b>	<b>207,829</b>	<b>174,075</b>	<b>182,173</b>	<b>160,336</b>	<b>-5.0</b>	<b>-21.9</b>	<b>-15.4</b>	<b>1.2</b>	<b>316,393</b>	<b>342,509</b>	<b>-7.6</b>
811	Repair and maintenance.....	60,717	55,320	54,215	55,809	53,616	47,591	9.8	2.0	13.2	16.2	116,037	101,207	14.7
8111	Automotive repair and maintenance.....	X	35,101	34,200	35,040	33,745	30,719	X	2.6	X	14.3	X	64,464	X
8112	Electronic and precision equipment repair and maintenance.....	X	4,419	4,473	4,540	4,217	4,303	X	-1.2	X	2.7	X	8,520	X
8113	Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance.....	X	13,289	12,666	13,073	12,557	9,960	X	4.9	X	33.4	X	22,517	X
8114	Personal and household goods repair and maintenance.....	X	2,511	2,876	3,156	3,097	2,609	X	-12.7	X	-3.8	X	5,706	X
812	Personal and laundry services.....	S	S	S	36,088	34,072	30,457	S	S	S	S	S	64,529	S
8121	Personal care services.....	X	S	S	S	S	S	X	S	X	S	X	S	X
8122	Death care services.....	X	6,494	5,649	5,749	5,113	6,210	X	15.0	X	4.6	X	11,323	X
8123	Drycleaning and laundry services.....	X	7,060	7,044	7,005	7,099	6,656	X	0.2	X	6.1	X	13,755	X
8129	Other personal services.....	X	S	S	S	S	S	X	S	X	S	X	S	X
813	Religious, grantmaking, civic, professional, and similar organizations - tax-exempt <sup>14</sup> .....	X	69,323	114,906	82,178	94,485	82,288	X	-39.7	X	-15.8	X	176,773	X

(a) Advance estimate. (r) Revised estimate.

S Estimate does not meet standards because of high variability (coefficient of variation greater than 30%), poor response quality (total quantity response rate is less than 50%) or other concerns about the estimate's quality. Unpublished estimates derived from this table by subtraction are subject to these same limitations and should not be attributed to the U.S. Census Bureau. For a description of publication standards and the total quantity response rate, see [www.census.gov/about/policies/quality/standards/standardf1.html](http://www.census.gov/about/policies/quality/standards/standardf1.html).

X Estimate is not available for advance release.

(1) For a full description of the NAICS (North American Industry Classification System) codes used in this table, see the 2012 NAICS manual or [www.census.gov/naics/](http://www.census.gov/naics/).

(2) Includes NAICS 22 (Utilities), NAICS 48-49 (Transportation and warehousing), NAICS 51 (Information), NAICS 52 (Finance and insurance), NAICS 53 (Real estate and rental and leasing), NAICS 54 (Selected professional, scientific, and technical services), NAICS 56 (Administrative and support and waste management and remediation services), NAICS 61 (Educational services), NAICS 62 (Health care and social assistance), NAICS 71 (Arts, entertainment, and recreation), NAICS 721 (Accommodation), and NAICS 81 (Other services (except public administration)). Exclusions listed in footnotes 3, 4, 7, 9, 12, and 13 also apply to the Selected Services Total.

(3) Excludes government owned utilities.

(4) Excludes NAICS 482 (Rail transportation) and 491 (Postal service).

(5) Includes NAICS 51113 (Book publishers), 51114 (Directory and mailing list publishers), and 51119 (Other publishers).

(6) Includes NAICS 5174 (Satellite telecommunications) and 5179 (Other telecommunications).

(7) Excludes NAICS 525 (Funds, trusts, and other financial vehicles).

(8) Excludes NAICS 521 (Monetary authorities-central bank) and NAICS 525 (Funds, trusts, and other financial vehicles).

(9) Excludes NAICS 54112 (Offices of notaries).

(10) Includes all of NAICS 5413 (Architectural, engineering, and related services) except 54133 (Engineering services).

(11) Includes NAICS 5611 (Office administrative services), 5612 (Facilities support services), 5614 (Business support services), 5616 (Investigation and security services), 5617 (Services to buildings and dwellings), and 5619 (Other support services).

(12) Excludes NAICS 6111 (Elementary and secondary schools), 6112 (Junior colleges), and 6113 (Colleges, universities, and professional schools).

(13) Excludes NAICS 8131 (Religious organizations), 81393 (Labor unions and similar labor organizations), 81394 (Political organizations), and 814 (Private households).

(14) Excludes NAICS 8131 (Religious organizations), 81393 (Labor unions and similar labor organizations), and 81394 (Political organizations).

Note: Estimates cover taxable and tax-exempt firms unless otherwise specified. Additionally, estimates for some sectors and subsectors may include data for kinds of business not shown. Table A5 provides estimated measures of sampling variability. Data users who create their own estimates using data from this report should cite the U.S. Census Bureau as the source of the original data only. Additional information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions may be found at [www.census.gov/services/qss/how\\_the\\_data\\_are\\_collected.html](http://www.census.gov/services/qss/how_the_data_are_collected.html). For NAICS 52, estimates may include unrealized gains (losses).

Table A5. Selected Services - Advance Estimated Measures of Sampling Variability

[Estimates are shown as percents and are based on data from the Quarterly Services Survey]

2012 NAICS code	Kind of business	Coefficient of variation for total revenue						Standard error for percent change						Year to Date		
														Coefficient of variation		Standard error
		2Q 2022 (a)	1Q 2022 (r)	4Q 2021	3Q 2021	2Q 2021	1Q 2021	2Q 2022 from 1Q 2022 (a)	1Q 2022 from 4Q 2021 (r)	4Q 2021 from 3Q 2021 <sup>1</sup>	3Q 2021 from 2Q 2021 <sup>1</sup>	2Q 2022 from 2Q 2021 (a)	1Q 2022 from 1Q 2021 (r)	2022 (a)	2021	2022 from 2021 (a)
	<b>Selected Services Total.....</b>	<b>1.0</b>	<b>0.9</b>	<b>1.0</b>	<b>1.0</b>	<b>1.1</b>	<b>1.0</b>	<b>0.3</b>	<b>0.1</b>	<b>0.2</b>	<b>0.1</b>	<b>0.2</b>	<b>0.3</b>	<b>1.0</b>	<b>1.0</b>	<b>0.2</b>
<b>22</b>	<b>Utilities.....</b>	<b>2.1</b>	<b>1.4</b>	<b>2.2</b>	<b>2.8</b>	<b>2.1</b>	<b>1.7</b>	<b>1.1</b>	<b>1.3</b>	<b>X</b>	<b>X</b>	<b>0.6</b>	<b>0.9</b>	<b>1.7</b>	<b>1.8</b>	<b>0.6</b>
2211	Electric power generation, transmission and distribution.....	X	2.8	3.1	3.1	2.8	2.7	X	1.5	X	X	X	1.3	X	2.7	X
2212	Natural gas distribution.....	X	4.6	5.5	7.9	6.1	3.6	X	1.9	X	X	X	1.9	X	4.3	X
2213	Water, sewage and other systems.....	X	5.9	3.9	5.0	4.6	4.6	X	2.5	X	X	X	1.5	X	4.2	X
<b>48-49</b>	<b>Transportation and warehousing.....</b>	<b>1.6</b>	<b>1.7</b>	<b>1.5</b>	<b>1.4</b>	<b>1.2</b>	<b>1.0</b>	<b>0.6</b>	<b>0.4</b>	<b>X</b>	<b>X</b>	<b>0.8</b>	<b>1.5</b>	<b>1.6</b>	<b>1.1</b>	<b>1.0</b>
481	Air transportation.....	4.6	4.4	5.2	6.0	6.1	9.6	2.2	1.1	X	X	3.0	8.7	4.4	7.4	4.9
483	Water transportation.....	11.2	15.6	16.4	16.4	20.7	21.0	4.6	3.1	X	X	12.8	7.2	13.0	20.8	10.1
4831	Deep sea, coastal, and Great Lakes water transportation.....	X	18.8	19.6	19.7	27.1	27.8	X	3.6	X	X	X	12.2	X	27.4	X
4832	Inland water transportation.....	X	4.6	4.6	4.9	5.9	5.4	X	0.2	X	X	X	1.6	X	5.6	X
484	Truck transportation.....	1.6	1.6	1.5	1.6	2.2	2.3	0.8	1.0	X	X	2.3	3.1	1.6	2.2	2.6
4841	General freight trucking.....	X	2.2	2.3	2.2	3.3	3.4	X	1.1	X	X	X	4.0	X	3.3	X
48412	General freight trucking, long-distance.....	X	2.9	3.5	3.3	4.5	4.8	X	1.2	X	X	X	4.3	X	4.6	X
4842	Specialized freight trucking.....	X	3.6	3.4	3.5	3.8	3.0	X	1.2	X	X	X	2.2	X	3.4	X
485	Transit and ground passenger transportation.....	4.5	4.5	3.3	4.4	6.2	5.7	0.7	1.9	X	X	4.2	4.1	4.5	5.8	3.8
486	Pipeline transportation.....	X	1.5	1.5	1.3	1.5	1.5	X	0.2	X	X	X	0.3	X	1.5	X
487	Scenic and sightseeing transportation.....	X	13.5	8.4	8.2	10.1	11.6	X	10.8	X	X	X	7.3	X	9.0	X
488	Support activities for transportation.....	4.2	4.3	4.5	4.5	4.3	4.3	0.7	0.8	X	X	1.2	1.4	4.2	4.3	1.3
492	Couriers and messengers.....	5.8	5.4	4.5	5.5	5.5	4.8	0.5	0.8	X	X	2.9	2.5	5.6	5.1	2.6
493	Warehousing and storage.....	7.7	7.1	7.5	6.7	7.8	7.1	1.4	1.3	X	X	3.8	3.1	7.4	7.4	3.4
<b>51</b>	<b>Information.....</b>	<b>1.8</b>	<b>1.8</b>	<b>1.8</b>	<b>1.8</b>	<b>1.8</b>	<b>1.6</b>	<b>0.3</b>	<b>0.4</b>	<b>X</b>	<b>X</b>	<b>0.8</b>	<b>0.7</b>	<b>1.8</b>	<b>1.7</b>	<b>0.7</b>
511	Publishing industries (except Internet).....	4.0	4.0	4.2	3.6	3.5	2.9	0.7	0.8	X	X	1.8	2.4	4.0	3.1	1.8
5111	Newspaper, periodical, book, and directory publishers.....	X	3.4	3.3	3.0	2.8	2.7	X	0.6	X	X	X	1.0	X	2.8	X
51111	Newspaper publishers.....	X	5.1	4.6	4.6	4.6	4.7	X	1.0	X	X	X	1.5	X	4.6	X
51112	Periodical publishers.....	X	5.7	6.2	5.2	5.9	5.6	X	1.1	X	X	X	0.9	X	5.7	X
5111 pt	Book, directory and mailing list, and other publishers.....	X	4.8	5.4	5.2	4.1	3.6	X	1.6	X	X	X	2.1	X	3.9	X
5112	Software publishers.....	4.3	4.4	4.7	4.0	3.8	3.0	0.8	0.9	X	X	2.1	2.9	4.3	3.3	2.1
512	Motion picture and sound recording industries.....	2.2	2.4	1.6	2.0	2.3	2.4	2.0	1.0	X	X	2.5	1.9	2.1	2.2	1.7
515	Broadcasting (except Internet).....	X	0.7	0.6	0.6	0.7	0.4	X	0.3	X	X	X	0.6	X	0.5	X
5151	Radio and television broadcasting.....	X	1.9	1.8	2.0	2.1	1.7	X	0.6	X	X	X	1.3	X	1.9	X
5152	Cable and other subscription programming.....	X	1.6	1.3	1.6	1.7	1.3	X	0.3	X	X	X	0.3	X	1.5	X
517	Telecommunications.....	1.6	1.3	1.2	1.2	1.1	1.1	0.3	0.3	X	X	0.9	0.6	1.4	1.1	0.7
5171	Wired telecommunications carriers.....	2.1	1.9	1.8	1.7	1.8	1.7	0.4	0.2	X	X	1.0	0.6	1.9	1.8	0.8
5172	Wireless telecommunications carriers (except satellite).....	2.5	2.2	1.8	1.8	1.8	1.8	0.4	0.6	X	X	1.4	1.2	2.3	1.8	1.3
517 pt	Other telecommunications.....	X	4.3	4.6	4.2	5.2	4.6	X	1.2	X	X	X	1.8	X	4.9	X
518	Data processing, hosting, and related services.....	3.4	4.1	3.5	3.5	3.5	3.8	1.1	0.8	X	X	1.3	0.7	3.7	3.7	0.9
519	Other information services.....	6.3	6.1	5.7	5.9	5.8	5.5	0.7	0.6	X	X	1.3	1.4	6.2	5.7	1.3
<b>52</b>	<b>Finance and insurance.....</b>	<b>2.1</b>	<b>1.9</b>	<b>1.8</b>	<b>1.9</b>	<b>1.8</b>	<b>1.9</b>	<b>0.4</b>	<b>0.3</b>	<b>X</b>	<b>X</b>	<b>0.5</b>	<b>0.4</b>	<b>2.0</b>	<b>1.8</b>	<b>0.4</b>
52 pt	Finance and insurance (except monetary authorities-central bank).....	X	1.9	1.8	1.9	1.9	1.9	X	0.3	X	X	X	0.4	X	1.9	X
521	Monetary authorities-central bank.....	X	0.0	0.0	0.0	0.0	0.0	X	0.0	X	X	X	0.0	X	0.0	X
522	Credit intermediation and related activities.....	2.3	2.1	2.4	2.5	2.6	2.4	0.8	0.4	X	X	1.0	1.0	2.2	2.5	0.8
5221	Depository credit intermediation.....	X	4.4	4.6	4.4	4.3	4.2	X	1.0	X	X	X	1.5	X	4.2	X
5222	Nondepository credit intermediation.....	X	3.0	3.2	3.6	3.7	4.0	X	0.5	X	X	X	1.4	X	3.8	X
5223	Activities related to credit intermediation.....	X	4.5	4.1	4.0	4.1	3.7	X	0.8	X	X	X	1.0	X	3.9	X
523	Securities, commodity contracts, and other financial investments and related activities.....	X	5.4	4.6	4.9	5.3	5.7	X	0.9	X	X	X	1.0	X	5.5	X
5231	Securities and commodity contracts intermediation and brokerage.....	X	11.3	11.4	10.5	10.8	9.3	X	0.8	X	X	X	1.8	X	10.0	X
5232	Securities and commodity exchanges.....	X	0.2	0.3	0.3	0.3	0.3	X	2	X	X	X	0.1	X	0.3	X
5239	Other financial investment activities.....	X	3.1	2.2	2.3	2.5	3.6	X	1.3	X	X	X	2.3	X	2.9	X
524	Insurance carriers and related activities.....	2.4	2.3	2.4	2.3	2.1	2.2	0.6	0.4	X	X	0.7	0.4	2.3	2.2	0.5
5241	Insurance carriers.....	X	2.9	3.0	2.9	2.6	2.7	X	0.4	X	X	X	0.5	X	2.6	X
5242	Agencies, brokerages, and other insurance related activities.....	X	2.3	2.4	2.6	2.4	2.3	X	0.8	X	X	X	1.0	X	2.3	X
<b>53</b>	<b>Real estate and rental and leasing.....</b>	<b>1.8</b>	<b>1.6</b>	<b>1.9</b>	<b>1.6</b>	<b>1.7</b>	<b>1.4</b>	<b>0.5</b>	<b>0.6</b>	<b>X</b>	<b>X</b>	<b>1.0</b>	<b>0.7</b>	<b>1.7</b>	<b>1.5</b>	<b>0.8</b>
531	Real estate.....	1.1	1.2	1.4	1.2	1.4	1.0	0.5	0.7	X	X	1.1	0.8	1.1	1.2	0.9
5311	Lessors of real estate.....	X	1.5	1.4	1.0	1.7	1.5	X	1.0	X	X	X	1.1	X	1.6	X
5312	Offices of real estate agents and brokers.....	X	3.5	3.2	2.8	2.9	3.0	X	1.7	X	X	X	2.3	X	2.8	X
5313	Activities related to real estate.....	X	3.0	3.1	2.7	2.7	2.9	X	0.6	X	X	X	1.9	X	2.7	X
532	Rental and leasing services.....	4.5	3.7	3.7	3.5	3.4	3.8	1.2	0.8	X	X	1.8	1.7	4.1	3.5	1.4
5321	Automotive equipment rental and leasing.....	X	2.5	2.8	2.7	2.6	5	X	0.6	X	X	X	5	X	5	X
53211	Passenger car rental and leasing.....	X	3.5	4.2	4.2	4.3	5	X	0.6	X	X	X	5	X	5	X
53212	Truck, utility trailer, and RV (recreational vehicle) rental and leasing.....	X	4.8	4.7	4.5	4.4	3.9	X	1.3	X	X	X	2.5	X	4.1	X
5322	Consumer goods rental.....	X	8.3	7.3	7.4	6.6	8.7	X	2.0	X	X	X	3.3	X	7.4	X
5323	General rental centers.....	X	5	5	5	5	5	X	5	X	X	X	5	X	5	X
5324	Commercial and industrial machinery and equipment rental and leasing.....	X	7.5	7.5	7.5	8.0	8.4	X	1.8	X	X	X	2.6	X	8.1	X
533	Lessors of nonfinancial intangible assets (except copyrighted works).....	X	5	6.3	5	5	5	X	5	X	X	X	5	X	5	X

Table A5. Selected Services - Advance Estimated Measures of Sampling Variability

[Estimates are shown as percents and are based on data from the Quarterly Services Survey]

2012 NAICS code	Kind of business	Coefficient of variation for total revenue						Standard error for percent change						Year to Date		
														Coefficient of variation		Standard error
		2Q 2022 (a)	1Q 2022 (r)	4Q 2021	3Q 2021	2Q 2021	1Q 2021	2Q 2022 from 1Q 2022 (a)	1Q 2022 from 4Q 2021 (r)	4Q 2021 from 3Q 2021 <sup>1</sup>	3Q 2021 from 2Q 2021 <sup>1</sup>	2Q 2022 from 2Q 2021 (a)	1Q 2022 from 1Q 2021 (r)	2022 (a)	2021	2022 from 2021 (a)
54	Professional, scientific, and technical services.....	3.6	3.3	3.6	3.9	3.9	3.6	0.7	0.5	X	X	0.9	0.7	3.4	3.8	0.7
5411	Legal services.....	5.0	5.1	3.9	4.5	4.1	5.0	2.5	1.5	X	X	2.4	1.9	4.9	4.3	2.0
5412	Accounting, tax preparation, bookkeeping, and payroll services.....	3.3	3.1	4.9	3.0	3.8	2.7	1.0	5.2	X	X	3.0	1.9	3.1	3.1	2.1
5413	Architectural, engineering, and related services.....	4.8	4.7	4.4	4.7	4.3	4.3	1.1	2.1	X	X	2.7	2.6	4.7	4.3	2.4
5413 pt	Architectural and related services.....	X	9.6	9.0	9.1	8.4	7.5	X	2.2	X	X	X	3.6	X	7.9	X
54133	Engineering services.....	X	4.5	4.7	5.0	5.0	5.0	X	2.4	X	X	X	3.3	X	4.9	X
5414	Specialized design services.....	X	7.3	7.7	8.2	6.9	5.5	X	5.3	X	X	X	5.9	X	6.0	X
5415	Computer systems design and related services.....	5.6	4.9	5.0	5.5	5.0	4.9	1.1	1.4	X	X	2.0	1.7	5.2	4.9	1.8
5416	Management, scientific, and technical consulting services.....	2.9	2.9	2.6	3.4	3.6	3.7	0.9	0.8	X	X	2.2	1.8	2.9	3.6	1.9
5417	Scientific research and development services.....	X	17.3	18.9	18.4	18.4	18.0	X	2.1	X	X	X	2.8	X	18.2	X
5418	Advertising, public relations, and related services.....	2.1	2.2	2.8	2.7	2.7	2.7	0.7	0.9	X	X	1.0	0.8	2.1	2.7	0.8
5419	Other professional, scientific, and technical services.....	X	5	12.1	13.2	13.4	12.2	X	5	X	X	X	5	X	12.8	X
56	Administrative and support and waste management and remediation services.....	4.1	4.3	4.2	3.6	3.4	3.5	1.0	0.5	X	X	1.6	1.9	4.2	3.4	1.6
561	Administrative and support services.....	4.5	4.7	4.6	3.9	3.9	3.9	1.0	0.5	X	X	1.9	2.1	4.6	3.9	1.9
5613	Employment services.....	X	8.5	7.6	7.0	6.4	7.0	X	1.1	X	X	X	4.7	X	6.6	X
5615	Travel arrangement and reservation services.....	X	9.0	9.9	10.9	8.7	9.6	X	1.2	X	X	X	12.5	X	8.8	X
561 pt	Other administrative and support services.....	X	3.4	3.5	3.3	3.5	3.3	X	0.6	X	X	X	1.1	X	3.4	X
562	Waste management and remediation services.....	5.4	5.3	5.0	5.2	5.8	5.6	0.6	0.6	X	X	1.1	0.8	5.3	5.7	0.9
61	Educational services.....	4.5	4.8	5.5	5.5	4.2	4.9	2.1	1.7	X	X	1.5	4.4	4.6	4.5	2.4
6114	Business schools and computer and management training.....	X	8.9	8.1	7.9	6.8	8.2	X	3.1	X	X	X	6.3	X	7.4	X
6115	Technical and trade schools.....	X	9.2	9.5	9.8	9.4	10.3	X	4.6	X	X	X	4.4	X	9.8	X
6116	Other schools and instruction.....	X	8.4	9.2	9.5	9.7	9.8	X	3.6	X	X	X	6.8	X	9.6	X
6117	Educational support services.....	X	12.7	8.5	8.5	6.3	5.6	X	3.7	X	X	X	9.4	X	5.9	X
62	Health care and social assistance.....	2.2	2.2	2.4	2.5	2.1	2.3	0.2	0.5	X	X	0.5	0.5	2.2	2.2	0.4
	Health care and social assistance - taxable.....	2.6	2.6	2.7	3.0	2.6	2.6	0.5	0.3	X	X	0.6	0.3	2.6	2.6	0.3
	Health care and social assistance - tax-exempt.....	2.9	2.9	2.7	2.9	2.3	2.6	0.3	1.1	X	X	1.0	1.0	2.9	2.4	1.0
621	Ambulatory health care services.....	1.8	1.7	1.7	2.0	1.5	1.7	0.7	0.4	X	X	0.7	0.6	1.7	1.6	0.5
	Ambulatory health care services - taxable.....	2.5	2.3	2.4	2.6	2.0	2.3	0.7	0.5	X	X	0.8	0.6	2.3	2.1	0.6
	Ambulatory health care services - tax-exempt.....	6.4	5.8	5.8	5.9	5.8	5.3	1.0	0.7	X	X	1.8	1.5	6.1	5.6	1.5
6211	Offices of physicians - taxable.....	3.5	3.4	3.7	4.3	3.6	3.7	1.0	0.9	X	X	1.0	1.2	3.4	3.6	1.0
6212	Offices of dentists - taxable.....	X	5	5	5	5	5	X	5	X	X	X	5	X	5	X
6213	Offices of other health practitioners - taxable.....	X	5.8	5.7	7.1	5.4	6.3	X	1.0	X	X	X	1.4	X	5.8	X
6214	Outpatient care centers.....	3.9	3.4	3.3	3.0	2.8	2.5	0.8	0.7	X	X	1.7	1.3	3.6	2.6	1.4
	Outpatient care centers - taxable.....	X	4.1	3.2	2.9	3.4	4.0	X	1.2	X	X	X	2.1	X	3.6	X
	Outpatient care centers - tax-exempt.....	X	7.4	7.3	7.4	7.6	7.1	X	0.7	X	X	X	2.1	X	7.4	X
6215	Medical and diagnostic laboratories - taxable.....	3.6	3.5	2.8	2.8	3.7	3.2	0.4	1.2	X	X	2.2	2.8	3.6	3.4	2.4
6216	Home health care services.....	X	5.8	6.3	5.8	6.1	6.0	X	0.9	X	X	X	2.0	X	6.0	X
	Home health care services - taxable.....	X	5	5	7.0	7.4	7.1	X	5	X	X	X	5	X	7.2	X
	Home health care services - tax-exempt.....	X	6.2	6.6	6.2	6.3	6.5	X	2.0	X	X	X	1.4	X	6.4	X
6219	Other ambulatory health care services.....	2.2	2.0	2.6	3.1	2.8	2.6	0.8	1.3	X	X	2.2	1.9	2.1	2.7	1.9
	Other ambulatory health care services - taxable.....	X	1.8	3.1	2.6	3.2	3.2	X	2.1	X	X	X	3.3	X	3.2	X
	Other ambulatory health care services - tax-exempt.....	X	7.8	7.7	5	6.4	5.6	X	1.0	X	X	X	3.1	X	6.0	X
622	Hospitals.....	4.3	4.3	4.3	4.4	3.9	4.1	0.3	1.2	X	X	1.0	1.2	4.3	4.0	1.1
	Hospitals - taxable.....	13.1	13.0	12.6	12.2	12.5	11.7	0.5	0.5	X	X	0.6	1.9	13.1	12.1	1.1
	Hospitals - tax-exempt.....	3.7	3.7	3.6	3.7	3.1	3.5	0.4	1.3	X	X	1.2	1.3	3.7	3.3	1.3
6221	General medical and surgical hospitals.....	X	4.2	4.2	4.3	3.8	4.1	X	1.2	X	X	X	1.3	X	4.0	X
	General medical and surgical hospitals - taxable.....	X	12.9	12.4	12.0	12.8	12.1	X	0.6	X	X	X	2.1	X	12.4	X
	General medical and surgical hospitals - tax-exempt.....	X	3.8	3.7	3.8	3.2	3.7	X	1.4	X	X	X	1.4	X	3.4	X
6222	Psychiatric and substance abuse hospitals.....	X	6.6	5.0	6.6	6.5	6.1	X	2.1	X	X	X	1.1	X	6.3	X
	Psychiatric and substance abuse hospitals - taxable.....	X	7.9	7.8	7.8	7.5	7.6	X	0.2	X	X	X	0.7	X	7.6	X
	Psychiatric and substance abuse hospitals - tax-exempt.....	X	9.8	6.9	9.3	9.5	8.6	X	3.0	X	X	X	1.7	X	9.0	X
6223	Specialty (except psychiatric and substance abuse) hospitals.....	X	11.8	11.7	11.0	10.3	9.4	X	0.4	X	X	X	1.9	X	9.9	X
	Specialty (except psychiatric and substance abuse) hospitals - taxable.....	X	19.9	20.3	19.8	18.4	16.0	X	0.7	X	X	X	3.3	X	17.2	X
	Specialty (except psychiatric and substance abuse) hospitals - tax-exempt.....	X	5.9	6.0	5.7	5.6	5.6	X	0.5	X	X	X	0.8	X	5.6	X
623	Nursing and residential care facilities.....	3.0	3.1	3.0	2.8	3.0	2.7	0.4	0.8	X	X	1.6	1.2	3.0	2.8	1.3
	Nursing and residential care facilities - taxable.....	5	5	5	2.9	3.0	2.9	5	5	X	X	5	5	5	3.0	5
	Nursing and residential care facilities - tax-exempt.....	4.2	4.4	3.5	3.4	4.0	3.6	0.7	1.6	X	X	1.8	1.4	4.3	3.8	1.4
624	Social assistance.....	3.7	3.8	3.4	4.5	4.7	3.7	1.1	0.9	X	X	1.6	1.9	3.7	4.1	1.6
	Social assistance - taxable.....	X	5	5	5	4.4	3.9	X	5	X	X	X	5	X	4.1	X
	Social assistance - tax-exempt.....	X	3.7	3.3	5.9	5.6	4.6	X	1.2	X	X	X	2.7	X	5.0	X
6241	Individual and family services.....	X	5.8	5.5	8.9	8.1	7.4	X	2.5	X	X	X	2.8	X	7.7	X
6242	Community food and housing, and emergency and other relief services.....	X	7.1	8.9	8.0	6.3	5.9	X	2.9	X	X	X	6.3	X	5.6	X
6243	Vocational rehabilitation services.....	X	10.3	12.5	11.5	10.3	11.1	X	6.0	X	X	X	3.0	X	10.6	X
6244	Child day care services.....	X	9.7	8.9	8.8	9.6	8.9	X	2.8	X	X	X	3.0	X	9.2	X
	Child day care services - taxable.....	X	5	10.5	5	11.8	11.9	X	5	X	X	X	5	X	11.8	X
	Child day care services - tax-exempt.....	X	13.1	15.8	15.0	15.3	11.8	X	12.0	X	X	X	6.4	X	12.8	X

Table A5. Selected Services - Advance Estimated Measures of Sampling Variability

[Estimates are shown as percents and are based on data from the Quarterly Services Survey]

2012 NAICS code	Kind of business	Coefficient of variation for total revenue						Standard error for percent change						Year to Date		
														Coefficient of variation		Standard error
		2Q 2022 (a)	1Q 2022 (r)	4Q 2021	3Q 2021	2Q 2021	1Q 2021	2Q 2022 from 1Q 2022 (a)	1Q 2022 from 4Q 2021 (r)	4Q 2021 from 3Q 2021 <sup>1</sup>	3Q 2021 from 2Q 2021 <sup>1</sup>	2Q 2022 from 2Q 2021 (a)	1Q 2022 from 1Q 2021 (r)	2022 (a)	2021	2022 from 2021 (a)
71	Arts, entertainment, and recreation.....	3.6	3.7	3.3	3.0	3.9	5.1	1.7	0.6	X	X	1.9	2.7	3.6	4.4	2.0
	Arts, entertainment, and recreation - taxable.....	X	4.2	3.8	3.5	4.7	6.2	X	0.8	X	X	X	3.1	X	5.4	X
	Arts, entertainment, and recreation - tax-exempt.....	X	4.1	3.9	3.9	3.7	3.8	X	2.1	X	X	X	3.4	X	3.4	X
711	Performing arts, spectator sports, and related industries.....	4.9	6.3	4.3	3.3	5.8	7.3	3.7	1.6	X	X	3.3	2.9	5.4	6.4	2.7
	Performing arts, spectator sports, and related industries - taxable.....	X	7.1	4.3	3.7	6.4	8.1	X	2.2	X	X	X	2.4	X	7.1	X
	Performing arts, spectator sports, and related industries - tax-exempt.....	X	5.4	6.3	4.1	6.6	7.9	X	7.7	X	X	X	10.6	X	5.8	X
7111	Performing arts companies.....	X	6.1	10.1	10.5	4.6	9.0	X	4.4	X	X	X	21.6	X	4.2	X
	Performing arts companies - taxable.....	X	9.6	16.3	14.2	9.8	10.3	X	7.5	X	X	X	26.7	X	9.1	X
	Performing arts companies - tax-exempt.....	X	7.5	5.8	7.9	8.5	11.7	X	7.3	X	X	X	20.6	X	6.7	X
7112	Spectator sports - taxable.....	X	13.6	6.6	5.0	7.4	12.4	X	4.8	X	X	X	4.4	X	9.5	X
7113	Promoters of performing arts, sports, and similar events.....	X	8.1	6.2	6.8	7.0	7.8	X	3.7	X	X	X	7.3	X	7.2	X
	Promoters of performing arts, sports, and similar events - taxable.....	X	8.9	7.9	9.2	7.5	9.2	X	4.6	X	X	X	9.3	X	8.2	X
	Promoters of performing arts, sports, and similar events - tax-exempt.....	X	5.9	11.1	9.2	12.7	7.6	X	11.3	X	X	X	11.4	X	9.5	X
7114	Agents and managers for artists, athletes, entertainers, and other public figures -															
	Independent artists, writers, and performers - taxable.....	X	4.6	8.6	9.9	8.9	5.7	X	4.1	X	X	X	5.7	X	7.3	X
7115	Museums, historical sites, and similar institutions.....	X	5	5	9.9	10.9	9.7	X	5	X	X	X	5	X	10.1	X
712	Museums, historical sites, and similar institutions - tax-exempt.....	X	5.4	6.3	5.1	3.9	3.2	5.9	3.5	X	X	5.4	4.2	6.3	3.4	4.6
	Museums, historical sites, and similar institutions - tax-exempt.....	X	6.0	6.4	5.4	4.0	3.5	X	4.1	X	X	X	4.8	X	3.6	X
713	Amusement, gambling, and recreation industries.....	5.0	5.3	5.9	5.6	6.2	8.3	1.3	0.9	X	X	2.2	3.4	5.1	7.1	2.6
	Amusement, gambling, and recreation industries - taxable.....	X	6.4	7.0	6.9	7.4	9.9	X	1.0	X	X	X	3.8	X	8.5	X
	Amusement, gambling, and recreation industries - tax-exempt.....	X	6.2	5.6	6.8	6.5	7.0	X	2.8	X	X	X	4.8	X	6.3	X
7131	Amusement parks and arcades - taxable.....	X	7.9	6.0	6.3	6.2	9.6	X	2.4	X	X	X	11.8	X	6.9	X
7132	Gambling industries - taxable.....	X	15.6	16.0	14.9	16.9	19.3	X	0.7	X	X	X	3.1	X	18.1	X
7139	Other amusement and recreation industries.....	X	5.2	5.5	4.3	4.5	4.2	X	1.6	X	X	X	2.4	X	4.1	X
	Other amusement and recreation industries - taxable.....	X	6.3	6.8	5	6.3	5.8	X	2.2	X	X	X	3.1	X	5.8	X
	Other amusement and recreation industries - tax-exempt.....	X	6.2	5.6	6.8	6.5	7.0	X	2.8	X	X	X	4.8	X	6.3	X
721	Accommodation.....	2.0	2.3	2.4	2.4	1.7	2.0	1.1	0.8	X	X	2.5	2.8	2.1	1.8	2.6
7211	Traveler accommodation.....	X	2.3	2.4	2.4	1.8	2.0	X	0.8	X	X	X	2.9	X	1.9	X
7212	RV (recreational vehicle) parks and recreational camps.....	X	3.9	4.7	2.8	3.5	4.9	X	5.6	X	X	X	3.1	X	3.2	X
7213	Rooming and boarding houses.....	X	9.6	16.0	10.9	13.4	10.6	X	8.3	X	X	X	8.6	X	11.4	X
81	Other services (except public administration).....	2.0	2.1	1.9	1.7	2.5	2.7	1.9	1.3	X	X	1.8	1.6	1.8	2.5	1.6
811	Repair and maintenance.....	4.3	4.3	4.0	3.3	3.5	4.1	1.1	1.2	X	X	2.7	2.9	4.3	3.8	2.6
8111	Automotive repair and maintenance.....	X	8.2	8.6	6.8	6.6	7.4	X	1.2	X	X	X	4.0	X	6.9	X
8112	Electronic and precision equipment repair and maintenance.....	X	7.7	6.4	6.5	4.3	2.5	X	2.6	X	X	X	6.4	X	3.3	X
8113	(except automotive and electronic) repair and maintenance.....	X	11.3	11.2	12.7	11.5	12.8	X	2.9	X	X	X	4.7	X	12.0	X
8114	Personal and household goods repair and maintenance.....	X	13.3	13.1	15.8	14.1	15.7	X	1.2	X	X	X	4.7	X	14.7	X
812	Personal and laundry services.....	S	S	S	5.4	5.4	3.7	S	S	X	X	S	S	S	4.5	S
8121	Personal care services.....	X	S	S	S	S	S	X	S	X	X	X	S	X	S	X
8122	Death care services.....	X	8.2	8.0	7.9	7.2	10.9	X	3.9	X	X	X	8.4	X	8.8	X
8123	Drycleaning and laundry services.....	X	5.8	5.5	5.2	4.3	4.9	X	0.8	X	X	X	6.0	X	4.3	X
8129	Other personal services.....	X	S	S	S	S	S	X	S	X	X	X	S	X	S	X
813	Religious, grantmaking, civic, professional, and similar organizations - tax-exempt.....	X	5.9	3.4	3.2	4.9	5.0	X	2.4	X	X	X	2.9	X	4.9	X

(a) Advance estimate. (r) Revised estimate. Z Absolute value is less than .05.

S Corresponding estimate in Table A4 does not meet publication standards because of high sampling variability, poor response quality or other concerns about the estimate's quality.

X There is no corresponding estimate on previous tables.

(1) Estimated measures of sampling variability are provided for the estimates on Table A3 only.

Note: Estimated measures of sampling variability are based on data not adjusted for seasonal variation, and should be used when drawing inferences about both adjusted and not adjusted estimates. Additional information on confidentiality protection, sampling error, nonsampling errors, sample design, and definitions may be found at [www.census.gov/services/qss/how\\_the\\_data\\_are\\_collected.html](http://www.census.gov/services/qss/how_the_data_are_collected.html).



## EXPLANATORY NOTES

### Survey Description

The U.S. Census Bureau conducts the Quarterly Services Survey to provide national estimates of quarterly revenue for employer firms located in the United States and classified in select service industries. The current total sample size is approximately 19,500 employer firms.

Each quarter, questionnaires are mailed to a probability sample of employer firms selected from the larger Service Annual Survey sample. The QSS sample includes firms of all sizes and is updated on a quarterly basis to account for new services businesses, deaths, and other changes to the survey universe. Data for nonresponding firms are imputed based on data for similar-sized firms classified in the same kind of business. The following table lists imputation rates of total quarterly revenue for the industries published in the QSS:

2012 NAICS Code	Kind of Business	Imputation Rate of Total Quarterly Revenue (in %)
	Selected Services Total	33
22	Utilities	12
48-49	Transportation and warehousing	30
51	Information	26
52	Finance and insurance	21
53	Real estate and rental and leasing	48
54	Professional, scientific, and technical services	43
56	Administrative and support and waste management and remediation services	42
61	Educational services	46
62	Health care and social assistance	44
71	Arts, entertainment, and recreation	40
721	Accommodation	42
81	Other services (except public administration)	43

Quarterly revenue estimates are obtained by summing weighted data (either reported or imputed), where the weight for a particular unit is the reciprocal of its probability of being selected into the sample. The estimates are benchmarked using results of the latest SAS. Additional information on the QSS can be found on the Census Bureau website at [www.census.gov/services/](http://www.census.gov/services/).

#### Data Inquiries

Economic Indicators Division, Service Indicator Branch  
301-763-2960  
[sssd.qss@census.gov](mailto:sssd.qss@census.gov)

#### Media Inquiries

Public Information Office  
301-763-3030  
[pio@census.gov](mailto:pio@census.gov)



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[census.gov](http://census.gov)

## Description of Seasonal Adjustment

To derive the seasonally adjusted revenue estimates published in this report, we used all available quarterly revenue estimates as input to the Census Bureau's X-13 ARIMA-SEATS program. With each non-advance quarterly release, we publish preliminary seasonally adjusted estimates for the current quarter and revised seasonally adjusted estimates for the previous five quarters. The seasonal adjustment models used to derive seasonal factors for each kind of business are evaluated annually and will not be revised until the next benchmarking operation. For a table of the seasonal adjustment factors, see [www.census.gov/services/qss/qssseasfactors.xlsx](https://www.census.gov/services/qss/qssseasfactors.xlsx). A list of "Frequently Asked Questions" on seasonal adjustment of QSS estimates is available at [www.census.gov/services/qss/seasonally\\_adjusted\\_faqs](https://www.census.gov/services/qss/seasonally_adjusted_faqs).

## Reliability of the Estimates

The estimates in this report may differ from the actual, but unknown, population values. For a particular estimate, statisticians define this difference as the total error of the estimate. When describing the accuracy of survey results, it is convenient to discuss total error as the sum of sampling error and nonsampling error. Nonsampling error is the difference between the actual population parameter and the value that would be derived by surveying the entire set of units identified as the survey universe (the sampling frame). There are many potential contributors to nonsampling error – the inclusion of erroneous units in the survey (overcoverage), the exclusion of eligible units from the survey (undercoverage), nonresponse, misreporting, mistakes in recording and coding responses, misinterpretation of questions, and other errors of collection, response, coverage, or processing. Though nonsampling error is not measured directly, the Census Bureau employs quality control procedures throughout the process to minimize this type of error. Sampling error is the average difference between the estimate and the result that would be obtained from a complete enumeration of the sampling frame conducted under the same survey conditions. This error occurs because only a subset of the entire sampling frame is measured in a sample survey. Common measures of sampling error are the sampling variance, the standard error, and the coefficient of variation. The sampling variance is defined as the squared difference, averaged over all possible samples of the same size and design, between the estimator and its average value. The standard error is the square root of the sampling variance. The CV expresses the standard error as a percentage of the estimate to which it refers. For example, an estimate of 200 units that has an estimated standard error of 10 units has an estimated CV of 5 percent. The sampling variance, standard error, and CV of an estimate can be estimated from the selected sample because the sample was selected using probability sampling. Standard errors and coefficients of variation are given in Tables A2 and A5 of this report.

### Data Inquiries

Economic Indicators Division, Service Indicator Branch  
301-763-2960  
[sssd.qss@census.gov](mailto:sssd.qss@census.gov)

### Media Inquiries

Public Information Office  
301-763-3030  
[pio@census.gov](mailto:pio@census.gov)



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[census.gov](https://www.census.gov)

The first page of this release gives statements about the change in revenue from a prior period. Each change estimate is accompanied by a number in parentheses, called the “margin of error.” The margin of error can be used to construct a 90-percent confidence interval, which is interpreted as follows. If, for each possible sample, an estimate and its approximate standard error are obtained, then for approximately 90 percent of the possible samples, the interval from 1.895 standard errors below to 1.895 standard errors above the estimate would include the average of the estimates derived from all possible samples. If, for example, a particular change estimate is +1.2 percent and its associated margin of error is  $\pm 1.5$  percentage points, then the 90-percent confidence interval for the change estimate is -0.3 percent to +2.7 percent. If the interval contains 0, then one does not have sufficient evidence to conclude at the 90-percent confidence level that the actual change is different from zero. Each comparison stated in this report has undergone statistical testing and is significant at the 90-percent confidence level, unless otherwise noted. Data users should take into account the estimates of sampling error and the potential effects of nonsampling error when using the statistics in this publication.

Additional information regarding the methodology used in conducting this survey is available at [www.census.gov/services/qss/how\\_the\\_data\\_are\\_collected](http://www.census.gov/services/qss/how_the_data_are_collected).

**Data Inquiries**

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**Media Inquiries**

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301-763-3030  
[pio@census.gov](mailto:pio@census.gov)



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